

AD-A050 960

TRANSPORTATION SYSTEMS CENTER CAMBRIDGE MASS  
SUMMARY OF AIRLINE DELAY TRENDS 1972-1975. (U)

F/G 1/2

UNCLASSIFIED

OCT 77 H CONDELL, S R HOROWITZ

TSC-FAA-77-6-F

FAA-EM-77-12

NL

| OF |  
AD  
A050960




END  
DATE  
FILMED  
4 -78  
DDC

REPORT NO. RA-84-7-12

13  
8.5

# SUMMARY OF AIRLINE DELAY TRENDS 1972 - 1975



AD A 050960

AD No. 1  
DOC FILE COPY

REPORT NO. RA-84-7-12 SUMMARY OF AIRLINE DELAY TRENDS 1972-1975

DOC FILE COPY

THE  
LIBRARY OF THE  
UNITED STATES DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT  
WASHINGTON, D. C. 20240

1975  
JAN 15 1975  
FBI  
WASHINGTON, D. C.



1. Report No. <b>(18) FAA-EM-77-12</b>	2. Government Accession No.	3. Recipient's Catalog No. <b>(11)</b>
4. Title and Subtitle <b>(6) SUMMARY OF AIRLINE DELAY TRENDS 1972-1975.</b>	5. Report Date <b>October 1977</b>	6. Performing Organization Code
7. Author(s) <b>(10) Helen Condell, Seymour R. Horowitz</b>	8. Performing Organization Report Number <b>(14) DOT-TSC-FAA-77-6-E</b>	9. Work Unit No. (TRAIS) <b>FAB40/R8125</b>
9. Performing Organization Name and Address U.S. Department of Transportation Transportation Systems Center Kendall Square Cambridge MA 02142 <b>(1264p.)</b>	11. Contract or Grant No.	13. Type of Report and Period Covered <b>(9) Final Report, 1972 Thru 1975</b>
12. Sponsoring Agency Name and Address U.S. Department of Transportation Federal Aviation Administration Office of Systems Engineering Management Washington DC 20591	14. Sponsoring Agency Code	
15. Supplementary Notes		
16. Abstract <p>This document is a highlight edition of the Annual Airline Delay Trends Report published since 1974. These reports provide estimates of block, airborne, and ground delays for approximately 325 route segments connecting 20 of the most active U.S. airports, and serviced by 19 major domestic scheduled air carriers. Delay information as presented in this summary edition consists of airborne and ground data for each of the 20 airports in the study, displayed in both table and graph form, for the years 1972 through 1975 for the following categories:</p> <ul style="list-style-type: none"> <li>(1) Total traffic activity for route segments arriving at each of the 20 airports by "busy" and "dull" time interval ("Busy" - 7:00 - 22:59, "Dull" - 23:00 - 06:59).</li> <li>(2) Average airborne delays for route segments arriving at each of the 20 airports, by "busy" and "dull" time intervals, and</li> <li>(3) Average ground times and delays for route segments departing and arriving the 20 airports, by "busy" and "dull" time intervals.</li> </ul> <p>A table showing the monthly average of airborne arrival delays at a summary airport which represents the total of the 20 study airports is also included.</p>		
17. Key Words Traffic Activity Airborne Delays Ground Times and Delays		18. Distribution Statement DOCUMENT IS AVAILABLE TO THE U.S. PUBLIC THROUGH THE NATIONAL TECHNICAL INFORMATION SERVICE, SPRINGFIELD, VIRGINIA 22161
19. Security Classif. (of this report) Unclassified	20. Security Classif. (of this page) Unclassified	21. No. of Pages 57
		22. Price

407:082

LB



# METRIC CONVERSION FACTORS

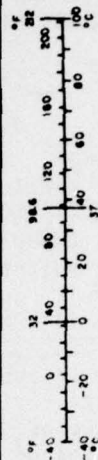
## Approximate Conversions to Metric Measures

Symbol	When You Know	Multiply by	To Find	Symbol
<b>LENGTH</b>				
in	inches	2.5	centimeters	cm
ft	feet	30	centimeters	cm
y	yards	0.9	meters	m
mi	miles	1.6	kilometers	km
<b>AREA</b>				
sq in	square inches	6.5	square centimeters	cm <sup>2</sup>
sq ft	square feet	0.09	square meters	m <sup>2</sup>
sq yd	square yards	0.8	square meters	m <sup>2</sup>
sq mi	square miles	2.6	square kilometers	km <sup>2</sup>
ac	acres	0.4	hectares	ha
<b>MASS (weight)</b>				
oz	ounces	28	grams	g
lb	pounds	0.45	kilograms	kg
sh	short tons (2000 lb)	0.9	tonnes	t
<b>VOLUME</b>				
cu in	cu in	16	milliliters	ml
cu ft	cu ft	16	milliliters	ml
cu yd	cu yd	0.26	liters	l
gal	gallons	0.47	liters	l
qt	quarts	0.94	liters	l
p	pints	0.47	liters	l
fl oz	fluid ounces	2.9	liters	l
cu in	cu in	0.03	cubic meters	m <sup>3</sup>
cu ft	cu ft	0.03	cubic meters	m <sup>3</sup>
cu yd	cu yd	0.76	cubic meters	m <sup>3</sup>
<b>TEMPERATURE (exact)</b>				
Fahrenheit temperature	5/9 after subtracting 32		Celsius temperature	°C



## Approximate Conversions from Metric Measures

Symbol	When You Know	Multiply by	To Find	Symbol
<b>LENGTH</b>				
mm	millimeters	0.04	inches	in
cm	centimeters	0.4	inches	in
m	meters	3.3	feet	ft
km	kilometers	0.6	miles	mi
<b>AREA</b>				
sq cm	square centimeters	0.16	square inches	sq in
sq m	square meters	1.2	square yards	sq yd
ha	hectares (10,000 m <sup>2</sup> )	0.4	square miles	sq mi
sq mi	square miles	2.5	acres	ac
<b>MASS (weight)</b>				
g	grams	0.035	ounces	oz
kg	kilograms (1000 g)	2.2	pounds	lb
t	tonnes (1000 kg)	1.1	short tons	sh
<b>VOLUME</b>				
ml	milliliters	0.03	fluid ounces	fl oz
l	liters	2.1	pints	pt
l	liters	1.06	quarts	qt
l	liters	0.26	gallons	gal
m <sup>3</sup>	cubic meters	35	cubic feet	cu ft
m <sup>3</sup>	cubic meters	1.3	cubic yards	cu yd
<b>TEMPERATURE (exact)</b>				
°C	Celsius temperature	9/5 (then add 32)	Fahrenheit temperature	°F



# PREFACE

Airline Delay Trends, 1972 through 1975 is a highlight edition of the three annual Airline Delay documents published in 1974, 1975, and 1976. These annual reports provide estimates of block, airborne, and ground delays for approximately 325 route segments connecting 20 of the most active U.S. airports, and serviced by 19 major domestic scheduled air carriers.

The data were derived by merging two comprehensive airline data bases - the Civil Aeronautics Board ER-586 Service Segment data, providing monthly totals of airborne and block operational times for all flights flown in scheduled service, and the Official Airline Guide (OAG) data, providing schedule information for all flights flown by certificated airlines. A combination of these data sources produced block, airborne, and ground delay data by route segment, airline, aircraft type and scheduled departure or arrival time.

Delays are defined in the study as the actual operational time on a route segment in excess of a strictly defined nominal time representing a standard of good performance. The airborne standards for all route segments are based upon a search of the actual Civil Aeronautics Board (CAB) records of airborne times for the index year 1972, and the selection of the best or lowest average airborne time recorded in one month for an individual flight. The nominal departure and arrival ground taxi times were estimated in much the same manner as the nominal airborne times, based upon the best average monthly performance of ground times achieved at each airport in 1972. The nominal airborne times selected as the standard of good performance for each of the route segments included in the study are shown on Table 1-2. The nominal selections for ground times in both the departure and arrival directions at the study's major airports are shown on Table 1-3. For a discussion of the statistical methods used in estimating the delays shown in this and the annual reports, as well as the alternative definitions for the appropriate nominal standards considered by the study, the reader is referred to the summary Volume I of "Airline Delay Trends" report for 1972-1973. (Report No. FAA-EM-74-11).

It is important for the reader to note that the delays reported in this report are not related to the scheduled time publisher in the

OAG. Scheduled times are unreliable indicators of delays. Improvements in operational times compared to scheduled times may be due to changes in the schedules and not to an improvement in performance. In addition, schedules may differ for airlines serving the same route segment. Continental Airlines, for example, may show a 20-minute reduction in scheduled times for a given route when compared to a competitor listing in the OAG. The CAB record may indicate that the average operational times experienced by Continental Airlines on this route were, in fact, only 1-minute better than those of its competitors. Using OAG as the reference time, Continental would be found to have a 19-minute delay from its schedule. However, the delay data shown in this report would indicate a 1-minute improvement in actual performance times for Continental compared to the other airlines serving the same route. Delay data for individual airlines and route segments are to be found in the three Annual Airline Delay documents published for the years 1972, 1973, 1974, and 1975. The data in this report contains summary information only.

Delay information as presented in this highlight edition consist of monthly airborne and ground data for each of the 20 airports included in the study, displayed in both table and graph form, for the years 1972 through 1975, for the following categories:

- (1) Total traffic activity for route segments arriving at each of the 20 airports by "busy" and "dull" time interval ("Busy" - 7:00 - 22:59, "Dull" - 23:00 - 06:59).
- (2) Average airborne delays for route segments arriving at each of the 20 airports, by "busy" and "dull" time intervals.
- (3) Average ground times and delays for route segments departing and arriving the 20 airports, by "busy" and "dull" time intervals.

A table showing the monthly average of airborne arrival delays at a summary airport which represents the total of the 20 study airports is also included.

DISTRIBUTION/AVAILABILITY CO	
A	

# TABLE OF CONTENTS

	PAGE		PAGE
CHAPTER I		Table II-14 (a-c) MSY.....	42, 43
Table I-1	1	Figure II-14.....	43
Major Airports and Air Carriers Included in Study.....	2	Table II-15 (a-c) ORD.....	44, 45
Table I-2	3-12	Figure II-15.....	45
Nominal Airborne Times for Route Segments.....		Table II-16 (a-c) PHL.....	46, 47
Table I-3	13	Figure II-16.....	47
Nominal Departure and Arrival Ground Times.....		Table II-17 (a-c) PIT.....	48, 49
CHAPTER II		Figure II-17.....	49
Monthly Summaries of:		Table II-18 (a-c) SEA.....	50, 51
a. Traffic Activity	15	Figure II-18.....	51
b. Airborne Delays	16, 17	Table II-19 (a-c) SFO.....	52, 53
c. Departure/Arrival Ground Times.....	17	Figure II-19.....	53
Table II-1 (a-c)	18, 19	Table II-20 (a-c) STL.....	54, 55
Figure II-1	19	Figure II-20.....	55
Table II-2 (a-c)	20, 21	Table II-21 (a-c) ALL AIRPORTS.....	56, 57
Figure II-2	21	Figure II-21.....	57
Table II-3 (a-c)	22, 23		
Figure II-3	23		
Table II-4 (a-c)	24, 25		
Figure II-4	25		
Table II-5 (a-c)	26, 27		
Figure II-5	27		
Table II-6 (a-c)	28, 29		
Figure II-6	29		
Table II-7 (a-c)	30, 31		
Figure II-7	31		
Table II-8 (a-c)	32, 33		
Figure II-8	33		
Table II-9 (a-c)	34, 35		
Figure II-9	35		
Table II-10 (a-c)	36, 37		
Figure II-10	37		
Table II-11 (a-c)	38, 39		
Figure II-11	39		
Table II-12 (a-c)	40, 41		
Figure II-12	41		
Table II-13 (a-c)			
Figure II-13			



## CHAPTER I

Chapter I consists of three tables:

- Table I-1 MAJOR AIRPORTS AND AIR CARRIERS INCLUDED IN STUDY - lists the major airports and air carriers included in the study.
- Table I-2 NOMINAL AIRBORNE TIMES FOR ROUTE SEGMENTS - displays the nominal airborne times for both jet and propeller aircraft for all route segments included in the study, listed by departure airport. Nominal times are defined as the lowest time recorded during some month in the index year of 1972. For those route segments which originated after 1972, the index year is shown as the year in which the service originated. The inter-airport distance is shown along with the month in which nominal time actually occurred.
- Table I-3 NOMINAL DEPARTURE AND ARRIVAL GROUND TIMES - displays the nominal ground times for departure and arrival at each of the airports included in the study. Nominal times are defined as the lowest time recorded during some month in the index year of 1972.
- Delays are actual recorded times in excess of nominal time.

TABLE 1-1 MAJOR AIRPORTS AND AIR CARRIERS INCLUDED IN STUDY

AIRPORT CODE	AIRPORT NAME
1. ATL	William B. Hartsfield Atlanta International
2. BOS	Boston - Logan
3. CLE	Cleveland - Hopkins International
4. DFW a./	Dallas/Fort Worth
5. DCA	Washington National
6. DEN	Denver - Stapleton International
7. DTW	Detroit Metro
8. EWR	Newark (New Jersey)
9. JFK	John F. Kennedy International (New York City)
10. LAX	Los Angeles International
11. LGA	La Guardia (New York City)
12. MIA	Miami International
13. MSP	Minneapolis/St. Paul International
14. MSY	New Orleans International (Moisant)
15. ORD	O'Hare (Chicago)
16. PHL	Philadelphia International
17. PIT	Greater Pittsburgh
18. SEA	Seattle/Tacoma International
19. SFO	San Francisco International
20. STL	Lambert - St. Louis International

a./ Annual reports for the years 1972-1973 include data for DAL, Dallas/Love Field

b./

AIRLINE CODE	AIRLINE NAME
1. AL	Allegheny Airlines, Inc.
2. AA	American Airlines, Inc.
3. BN	Braniff Airways, Inc.
4. CO	Continental Air Lines, Inc.
5. DL	Delta Air Lines, Inc.
6. EA	Eastern Air Lines, Inc.
7. FL	Frontier Airlines, Inc.
8. RW	Air West, Inc. - (Hughes)
9. MO	Mohawk Airlines, Inc.
10. NA	National Airlines, Inc.
11. NC	North Central Airlines, Inc.
12. NE	Northeast Airlines, Inc.
13. NW	Northwest Airlines, Inc.
14. OZ	Ozark Air Lines, Inc.
15. PA	Pan American World Airways, Inc.
16. PI	Piedmont Aviation, Inc.
17. SO	Southern Airways, Inc.
18. IT	Texas International Airways, Inc.
19. TW	Trans World Airlines, Inc.
20. UA	United Air Lines, Inc.
21. WA	Western Air Lines, Inc.

b./ Delay data for specific airlines do not appear in this summary volume. Please refer to reports for individual years for this information.

TABLE 1-2

NOMINAL AIRBORNE TIMES* DEPARTING ATL						NOMINAL AIRBORNE TIMES* DEPARTING BOS							
ROUTE	SEGMENT	DISTANCE ST. MILES	NOMINAL JET TIME	DATE YR/MO	NOMINAL PROP TIME	DATE YR/MO	ROUTE	SEGMENT	DISTANCE ST. MILES	NOMINAL JET TIME	DATE YR/MO	NOMINAL PROP TIME	DATE YR/MO
ATL	BOS	946	1:50	7201			BOS	ATL	946	2:07	7208	3:35	7203
ATL	CLE	554	1:13	7201			BOS	CLE	563	1:19	7205		
ATL	DAL	721	1:29	7203	2:36	7205	BOS	DAL	1551	3:23	7209		
ATL	DCA	547	1:07	7212			BOS	DCA	399	0:59	7210	1:30	7204
ATL	DFW	731	1:35	7404			BOS	DEN	1766	3:57	7208		
ATL	DTW	595	1:16	7203			BOS	DFW	1561	3:35	7407		
ATL	EWK	745	1:27	7212	2:10	7202	BOS	DTW	632	1:29	7205		
ATL	JFK	760	1:26	7207	2:46	7208	BOS	EWK	231	0:40	7210	0:40	7212
ATL	LAX	1946	3:36	7204			BOS	JFK	167	0:29	7203	0:56	7202
ATL	LGA	761	1:31	7212	2:10	7202	BOS	LAX	2611	5:36	7206		
ATL	MIA	595	1:15	7209	1:59	7204	BOS	LGA	185	0:30	7211	0:38	7209
ATL	MSP	906	1:59	7207			BOS	MIA	1258	2:32	7202		
ATL	MSY	425	0:57	7203	1:34	7204	BOS	MSP	1124	2:40	7205		
ATL	ORD	606	1:15	7204	2:19	7205	BOS	MSY	1367	2:59	7209		
ATL	PHL	666	1:17	7212			BOS	ORD	867	1:48	7211		
ATL	PIT	526	1:10	7203			BOS	PHL	280	0:42	7210	1:24	7204
ATL	SFO	2139	4:26	7207			BOS	PIT	496	1:15	7204	2:02	7211
ATL	STL	484	1:06	7207			BOS	SEA	2496	5:46	7208		
							BOS	SFO	2704	5:48	7205		
							BOS	STL	1046	2:21	7206		

\*Airborne Times ("wheels off" to "wheels on")



TABLE 1-2 (Continued)

NOMINAL AIRBORNE TIMES DEPARTING CLE						NOMINAL AIRBORNE TIMES DEPARTING DCA					
ROUTE	SEGMENT	DISTANCE ST. MILES	NOMINAL JET TIME	DATE YR/MO	NOMINAL PROP TIME	DATE YR/MO	ROUTE	SEGMENT	DISTANCE ST. MILES	NOMINAL JET TIME	DATE YR/MO
CLE	ATL	554	1:19	7202			DCA	ATL	547	1:19	7208
CLE	BOS	563	1:04	7204			DCA	BOS	399	0:53	7204
CLE	DAL	1015	2:08	7206			DCA	CLE	310	0:50	7208
CLE	DCA	310	0:47	7201			DCA	DTW	405	1:05	7205
CLE	DEN	1213	2:42	7208			DCA	EMR	199	0:31	7212
CLE	DFW	1021	2:15	7407			DCA	JFK	213	0:37	7202
CLE	DTW	95	0:18	7202	0:24	7209	DCA	LGA	214	0:29	7211
CLE	EMR	404	0:57	7201			DCA	MIA	920	1:59	7210
CLE	JFK	425	1:00	7201			DCA	MSP	931	2:05	7205
CLE	LAX	2053	4:27	7208			DCA	ORD	612	1:22	7207
CLE	LGA	418	0:49	7207			DCA	PHL	120	0:24	7203
CLE	MIA	1080	2:20	7206			DCA	PIT	205	0:35	7204
CLE	MSP	622	1:30	7205			DCA	STL	719	1:39	7205
CLE	MSY	921	2:18	7511							
CLE	ORD	316	0:50	7206							
CLE	PHL	363	0:50	7202							
CLE	PIT	105	0:15	7211	0:26	7209					
CLE	SFO	2162	4:45	7211							
CLE	STL	487	1:06	7208							

TABLE I-2 (Continued)

NOMINAL AIRBORNE TIMES DEPARTING DEN						NOMINAL AIRBORNE TIMES DEPARTING DFW					
ROUTE	SEGMENT	DISTANCE ST. MILES	NOMINAL JET TIME	DATE YR/MO	NOMINAL PROP TIME	ROUTE	SEGMENT	DISTANCE ST. MILES	NOMINAL JET TIME	DATE YR/MO	NOMINAL PROP TIME
DEN	BOS	1766	3:19	7201		DFW	ATL	731	1:27	7402	
DEN	CLE	1213	2:15	7201		DFW	BOS	1561	3:05	7402	
DEN	DAL	654	1:21	7202		DFW	CLE	1021	2:03	7402	
DEN	DFW	645	1:23	7412		DFW	DEN	645	1:31	7410	
DEN	DTW	1135	2:05	7212		DFW	DTW	987	1:54	7411	
DEN	EWR	1617	2:58	7201		DFW	EWR	1372	2:37	7412	
DEN	JFK	1638	3:07	7201		DFW	JFK	1391	2:36	7402	
DEN	LAX	849	1:50	7201		DFW	LAX	1275	2:27	7407	
DEN	MSP	693	1:21	7201		DFW	LGA	1388	2:41	7412	
DEN	MSY	1067	2:15	7312		DFW	MIA	1121	2:11	7402	
DEN	ORD	900	1:41	7212		DFW	MSP	852	1:53	7411	
DEN	PHL	1570	2:57	7201		DFW	MSY	447	0:51	7412	
DEN	PIT	1302	2:41	7310		DFW	ORF	802	1:34	7412	
DEN	SEA	1019	2:17	7208		DFW	PHL	1302	2:30	7412	
DEN	SFO	856	2:04	7206		DFW	PIT	1067	2:08	7403	
DEN	STL	781	1:34	7210		DFW	SEA	1660	3:47	7410	
						DFW	SFL	1465	3:09	7406	
						DFW	STL	550	1:11	7402	

TABLE 1-2 (Continued)

NOMINAL AIRBORNE TIMES DEPARTING DTW						NOMINAL AIRBORNE TIMES DEPARTING EWR							
ROUTE	SEGMENT	DISTANCE ST. MILES	NOMINAL JET TIME	DATE YR/MO	NOMINAL PROP TIME	DATE YR/MO	ROUTE	SEGMENT	DISTANCE ST. MILES	NOMINAL JET TIME	DATE YR/MO	NOMINAL PROP TIME	DATE YR/MO
DTW	ATL	595	1:19	7202			EWR	ATL	745	1:34	7201	2:34	7203
DTW	BOS	632	1:17	7201			EWR	BOS	201	0:24	7210	0:36	7201
DTW	CLE	95	0:23	7209	0:23	7205	EWR	CLE	404	1:06	7211		
DTW	DAL	982	2:12	7207			EWR	DAL	1365	2:49	7208		
DTW	DCA	405	0:59	7204			EWR	DCA	199	0:34	7205	0:45	7208
DTW	DEN	1135	2:32	7204			EWR	DEN	1617	3:30	7205		
DTW	DFW	967	1:57	7407			EWR	DFW	1372	3:07	7407		
DTW	EWR	488	1:03	7212			EWR	DTW	488	1:15	7208		
DTW	JFK	509	1:03	7201			EWR	JFK	21	0:08	7204		
DTW	LAX	1979	4:09	7208			EWR	LAX	2454	5:06	7208	3:32	7312
DTW	LGA	501	1:04	7210			EWR	MIA	1086	2:16	7212		
DTW	MIA	1146	2:18	7209			EWR	MSP	1008	2:35	7203		
DTW	MSP	528	1:15	7205			EWR	MSY	1167	2:34	7208		
DTW	MSY	926	1:55	7208			EWR	ORD	719	1:32	7203		
DTW	ORD	235	0:38	7205			EWR	PHL	80	0:21	7205	0:27	7210
DTW	PHL	454	1:01	7203			EWR	PIT	319	0:50	7205	1:19	7205
DTW	PIT	231	0:33	7208			EWR	SFO	2565	5:40	7203		
DTW	SFO	2079	4:28	7206			EWR	STL	872	1:56	7205		
DTW	STL	440	1:09	7206									



TABLE 1-2 (Continued)

NOMINAL AIRBORNE TIMES DEPARTING JFK						NOMINAL AIRBORNE TIMES DEPARTING LAX							
ROUTE	SEGMENT	DISTANCE ST. MILES	NOMINAL JET TIME	DATE YR/MO	NOMINAL PROP TIME	DATE YR/MO	ROUTE	SEGMENT	DISTANCE ST. MILES	NOMINAL JET TIME	DATE YR/MO	NOMINAL PROP TIME	DATE YR/MO
JFK	ATL	760	1:32	7210			LAX	ATL	1946	3:37	7202		
JFK	BOS	187	0:21	7208			LAX	BOS	2611	4:35	7209		
JFK	CLE	425	1:07	7205			LAX	CLE	2053	3:54	7210		
JFK	DAL	1383	2:57	7206			LAX	DAL	1246	2:20	7212	3:35	7204
JFK	DCA	213	0:40	7203			LAX	DEN	849	1:40	7208		
JFK	UEN	1638	3:37	7206			LAX	DFW	1235	2:23	7403		
JFK	DFW	1391	2:58	7407			LAX	DTW	1979	3:42	7210		
JFK	DTW	509	1:19	7202			LAX	EMR	2454	4:10	7204		
JFK	EMR	21	0:11	7210			LAX	JFK	2475	4:33	7212		
JFK	LAX	2475	5:05	7202			LAX	MIA	2342	4:18	7211		
JFK	MIA	1090	2:14	7209		7201	LAX	MSP	1535	3:01	7210		
JFK	MSP	1029	2:20	7205	4:10		LAX	MSY	1670	3:06	7202		
JFK	MSY	1182	2:29	7208			LAX	ORD	1744	3:14	7205		
JFK	ORD	740	1:45	7205			LAX	PHL	2402	4:27	7210		
JFK	PHL	94	0:16	7204			LAX	PIT	2136	4:03	7212		
JFK	PIT	340	0:42	7203	1:23	7308	LAX	SEA	954	1:58	7208		
JFK	SEA	2421	5:23	7205			LAX	SFO	338	0:46	7204	1:16	7209
JFK	SFO	2586	4:49	7208			LAX	STL	1592	2:59	7212		
JFK	STL	892	2:05	7206									

TABLE 1-2 (Continued)

NOMINAL AIRBORNE TIMES DEPARTING LGA							NOMINAL AIRBORNE TIMES DEPARTING MIA						
ROUTE	SEGMENT	DISTANCE ST. MILES	NOMINAL JET TIME	DATE YR/MO	NOMINAL PROP TIME	DATE YR/MO	ROUTE	SEGMENT	DISTANCE ST. MILES	NOMINAL JET TIME	DATE YR/MO	NOMINAL PROP TIME	DATE YR/MO
LGA	ATL	761	1:36	7203	2:35	7207	MIA	ATL	595	1:18	7210		
LGA	BOS	185	0:26	7212	0:35	7201	MIA	BOS	1258	2:29	7211		
LGA	CLE	418	1:03	7205			MIA	CLE	1080	2:20	7209		
LGA	DAL	1381	2:53	7208			MIA	DAL	1110	2:27	7209		
LGA	DCA	214	0:29	7208	0:40	7204	MIA	DCA	920	1:53	7206		
LGA	DFW	1388	3:02	7411			MIA	DFW	1121	2:34	7407		
LGA	DTW	501	1:14	7208			MIA	DTW	1146	2:27	7209		
LGA	JFK	11	0:11	7202			MIA	ENR	1086	2:15	7201	3:36	7207
LGA	MIA	1096	2:20	7206	4:10	7202	MIA	JFK	1090	2:08	7202		
LGA	MSP	1020	2:18	7203			MIA	LAX	2342	4:35	7209		
LGA	MSY	1183	2:41	7208			MIA	LGA	1096	2:15	7201		
LGA	ORD	733	1:31	7210			MIA	MSP	1501	3:20	7204		
LGA	PHL	95	0:29	7209			MIA	MSY	675	1:28	7208		
LGA	PIT	335	0:52	7210	1:19	7211	MIA	ORD	1178	2:34	7204		
LGA	STL	888	2:01	7209			MIA	PHL	1014	2:05	7206	3:06	7201
							MIA	PIT	1013	2:07	7211		
							MIA	SFO	2585	5:19	7209		
							MIA	STL	1068	2:23	7208		

TABLE 1-2 (Continued)

NOMINAL AIRBORNE TIMES DEPARTING MSP							NOMINAL AIRBORNE TIMES DEPARTING MSY						
ROUTE	SEGMENT	DISTANCE ST. MILES	NOMINAL JET TIME	DATE YR/MO	NOMINAL PROP TIME	DATE YR/MO	ROUTE	SEGMENT	DISTANCE ST. MILES	NOMINAL JET TIME	DATE YR/MO	NOMINAL PROP TIME	DATE YR/MO
MSP	ATL	906	1:58	7204			MSY	ATL	425	0:54	7211	1:26	7204
MSP	BOS	1124	2:14	7212			MSY	BOS	1367	2:40	7211		
MSP	CLE	622	1:18	7202			MSY	CLE	921	2:03	7512		
MSP	DAL	853	1:48	7201			MSY	DAL	437	0:56	7212	1:36	7209
MSP	DCA	931	1:52	7211			MSY	DEN	1067	2:22	7309		
MSP	DEN	693	1:32	7211			MSY	DFW	447	1:00	7406		
MSP	DFW	852	1:50	7406			MSY	DTW	926	2:00	7207		
MSP	DTW	528	1:13	7202			MSY	EMR	1167	2:09	7211		
MSP	EMR	1008	2:02	7212			MSY	JFK	1182	2:15	7205		
MSP	JFK	1029	2:02	7201			MSY	LAX	1670	3:31	7208		
MSP	LAX	1535	3:18	7206			MSY	LGA	1183	2:13	7211		
MSP	LGA	1020	2:01	7212			MSY	MIA	675	1:23	7210		
MSP	MIA	1501	3:15	7202			MSY	ORD	837	1:46	7204		
MSP	ORD	334	0:43	7204	1:20	7209	MSY	PHL	1088	2:19	7211		
MSP	PHL	981	2:00	7212			MSY	PIT	918	1:50	7202		
MSP	SEA	1399	3:04	7205			MSY	SFO	1911	3:57	7206		
MSP	SFO	1589	3:27	7205			MSY	STL	604	1:21	7205		
MSP	STL	448	1:03	7208	1:51	7304							



TABLE 1-2 (Continued)

NOMINAL AIRBORNE TIMES DEPARTING ORD						NOMINAL AIRBORNE TIMES DEPARTING PHL							
ROUTE	SEGMENT	DISTANCE ST. MILES	NOMINAL JET TIME	DATE YR/MO	NOMINAL PROP TIME	ROUTE	SEGMENT	DISTANCE ST. MILES	NOMINAL JET TIME	DATE YR/MO	NOMINAL PROP TIME	DATE YR/MO	
ORD	ATL	606	1:07	7209		PHL	ATL	666	1:14	7207			
ORD	BOS	867	1:36	7206		PHL	BOS	280	0:36	7210	1:38	7211	
ORD	CLE	316	0:38	7203		PHL	CLE	363	0:57	7205			
ORD	DAL	799	1:35	7204		PHL	DAL	1295	2:46	7208			
ORD	DCA	612	1:13	7202		PHL	DCA	120	0:25	7208	0:37	7203	
ORD	DEN	900	1:57	7206		PHL	DEN	1570	3:33	7207			
ORD	DFW	802	1:38	7411		PHL	DFW	1302	2:43	7405			
ORD	DTW	235	0:31	7201		PHL	DTW	454	1:10	7205			
ORD	EWK	719	1:24	7211		PHL	EWK	81	0:18	7210	0:26	7212	
ORD	JFK	740	1:27	7202		PHL	JFK	93	0:21	7206			
ORD	LAX	1744	3:35	7212		PHL	LAX	2402	5:06	7208			
ORD	LGA	733	1:26	7212		PHL	LGA	95	0:25	7202			
ORD	MIA	1198	2:23	7203		PHL	MIA	1014	2:05	7210			
ORD	MSP	334	0:51	7208	1:11	7208	PHL	MSP	980	2:18	7205		
ORD	MSY	837	1:47	7205		PHL	MSY	1088	2:25	7208			
ORD	PHL	678	1:21	7201		PHL	ORD	678	1:36	7207			
ORD	PIT	412	0:54	7202	1:31	7211	PHL	PIT	268	0:43	7205	1:05	7208
ORD	SEA	1720	3:43	7208		PHL	SFO	2521	5:31	7208			
ORD	SFO	1846	3:53	7208		PHL	STL	814	1:55	7207			
ORD	STL	258	0:38	7205	1:05	7212							

TABLE 1-2 (Continued)

NOMINAL AIRBORNE TIMES DEPARTING PIT							NOMINAL AIRBORNE TIMES DEPARTING SEA						
ROUTE	SEGMENT	DISTANCE ST. MILES	NOMINAL JET TIME	DATE YR/MO	NOMINAL PROP TIME	DATE YR/MO	ROUTE	SEGMENT	DISTANCE ST. MILES	NOMINAL JET TIME	DATE YR/MO	NOMINAL PROP TIME	DATE YR/MO
PIT	ATL	526	1:09	7207			SEA	BOS	2496	4:57	7209		
PIT	BOS	496	1:09	7201	1:51	7307	SEA	DAL	1669	3:18	7204		
PIT	CLE	105	0:15	7212	0:32	7204	SEA	DEN	1019	2:02	7203		
PIT	DAL	1061	2:09	7201			SEA	DFW	1660	3:18	7411		
PIT	DCA	205	0:33	7202			SEA	JFK	2421	4:31	7201		
PIT	DEN	1302	2:54	7308			SEA	LAX	954	1:54	7204		
PIT	DFW	1067	2:18	7408			SEA	MSP	1399	2:42	7204		
PIT	DTW	201	0:35	7206			SEA	ORD	1720	3:14	7204		
PIT	EMR	319	0:50	7201	1:17	7209	SEA	SFO	678	1:23	7203		
PIT	JFK	340	0:46	7204	1:24	7305	SEA	STL	1709	3:11	7211		
PIT	LAX	2136	4:36	7207									
PIT	LGA	335	0:46	7211	1:09	7211							
PIT	MIA	1013	2:00	7212									
PIT	MSY	918	1:59	7202									
PIT	ORD	412	1:04	7208	1:43	7209							
PIT	PHL	268	0:33	7210	1:00	7211							
PIT	SFO	2254	4:53	7205									
PIT	STL	553	1:22	7206	1:59	7303							

TABLE 1-2 (Continued)

NOMINAL AIRBORNE TIMES DEPARTING SFO							NOMINAL AIRBORNE TIMES DEPARTING STL						
ROUTE	SEGMENT	DISTANCE ST. MILES	NOMINAL JET TIME	DATE YR/MO	NOMINAL PROP TIME	DATE YR/MO	ROUTE	SEGMENT	DISTANCE ST. MILES	NOMINAL JET TIME	DATE YR/MO	NOMINAL PROP TIME	DATE YR/MO
SFO	ATL	2139	4:00	7211			STL	ATL	484	1:04	7204	1:34	7302
SFO	BOS	2704	4:58	7201			STL	BOS	1046	1:58	7201		
SFO	CLE	2162	4:11	7209			STL	CLE	487	0:56	7201		
SFO	DAL	1476	2:49	7209			STL	DAL	546	1:14	7212		
SFO	DEN	956	1:49	7202			STL	DCA	719	1:28	7208	2:12	7203
SFO	DFW	1465	2:43	7409			STL	DEN	781	1:48	7208		
SFO	DTW	2079	3:51	7201			STL	DFW	550	1:15	7406		
SFO	EMR	2565	4:45	7209			STL	DTW	440	0:55	7202		
SFO	JFK	2586	4:30	7204			STL	EMR	872	1:45	7201		
SFO	LAX	338	0:46	7212	1:13	7201	STL	JFK	892	1:49	7201		
SFO	MIA	2585	4:56	7204			STL	LAX	1592	3:20	7212		
SFO	MSP	1589	2:56	7201			STL	LGA	888	1:50	7204		
SFO	MSY	1911	3:39	7210			STL	MIA	1068	2:13	7210		
SFO	ORD	1846	3:25	7204			STL	MSP	448	1:05	7207		
SFO	PHL	2521	4:42	7201			STL	MSY	604	1:24	7206		
SFO	PIT	2253	4:22	7203			STL	ORD	258	0:38	7211	1:08	7201
SFO	SEA	678	1:24	7206			STL	PHL	814	1:37	7201		
SFO	STL	1736	3:15	7210			STL	PIT	553	1:08	7201	2:03	7303
							STL	SEA	1709	3:40	7208		
							STL	SFO	1736	3:46	7208		



TABLE I-3  
NOMINAL DEPARTURE AND ARRIVAL GROUND TIME \*

AIRPORT	DEPARTURE	ARRIVAL
ATL	8	4
BOS	9	2
CLE	7	3
DCA	9	3
DEN	3	2
DFW	6	3
DTW	8	3
FWR	9	4
JFK	15	7
LAX	9	3
LGA	8	4
MIA	7	2
MSP	5	2
MSY	4	2
ORD	9	5
PHI	7	2
PIT	2	2
SFA	6	2
SFD	8	3
STL	3	2

ALL TIMES ARE IN MINUTES

\*Ground Times (Taxi times, including holding, to and from the ramp)

## CHAPTER II. MONTHLY SUMMARIES

Chapter II consists of three tables and one bar graph for each of the 20 airports.

- Tables II-1 (a,b,c) through Tables II-20 (a,b,c) display 1972 through 1975 monthly summary data for the following categories:

- a. Traffic Activity
- b. Arrival Airborne Delay
- c. Departure/Arrival Ground Time.

The data are given for both the "busy" and "dull" time intervals.

- Figure II-1. through Figure II-20 display the 1972 through 1975 monthly departure/arrival ground time data in bar graph form.
- Summary data of the above categories are given for the entire system in Tables II-21 (a,b,c) and Figure II-21.

### NOTE

The Port Authority of New York/New Jersey did not supply the average hourly departure and arrival ground times for the three New York airports, Kennedy, La Guardia, and Newark, for the months of November and December, 1975. These data were essential to the statistical model<sup>a</sup> devised to generate an accurate series of ground times in both the departure and arrival direction for each of the 20 airports included in the study. Therefore, estimates for the 1975 average ground times are not shown for these two months.

<sup>a</sup>See description of study methodology, referenced on title page.

TABLE II-1 (a)  
MONTHLY SUMMARY OF TRAFFIC ACTIVITY ARRIVING AT ATL  
FROM 19 STUDY AIRPORTS

	-----1972-----		-----1973-----		-----1974-----		-----1975-----	
	BUSY	DULL	BUSY	DULL	BUSY	DULL	BUSY	DULL
JAN	3152	373	2465	240	1791	10	3305	152
FEB	3471	304	3160	436	3194	135	3501	173
MAR	3768	421	3294	451	3384	93	3766	127
APR	3560	405	3172	427	3199	60	3639	120
MAY	3750	675	3610	482	3371	122	3899	181
JUN	3534	633	3518	435	3876	90	3633	117
JUL	3239	506	3268	430	3884	92	3718	121
AUG	3817	646	3762	484	3981	145	3848	184
SEP	3284	405	3233	400	3394	142	3806	160
OCT	3488	385	3232	316	3423	114	3178	142
NOV	3643	500	3354	270	3499	195	3688	293
DEC	3114	331	2914	146	3230	180	3191	175
TOTAL	41684	5664	39014	4485	38630	1386	42072	1855

TABLE II-1 (b)  
MONTHLY SUMMARY OF AIRBORNE DELAYS ARRIVING AT ATL  
FROM 19 STUDY AIRPORTS

	-----1972-----		-----1973-----		-----1974-----		-----1975-----	
	BUSY	DULL	BUSY	DULL	BUSY	DULL	BUSY	DULL
JAN	0215	0110	0215	0109	0220	0137	0217	0218
FEB	0215	0109	0212	0110	0214	0111	0217	0215
MAR	0210	0108	0215	0112	0213	0109	0214	0211
APR	0210	0106	0212	0111	0212	0104	0211	0208
MAY	0209	0107	0211	0111	0212	0111	0212	0210
JUN	0211	0106	0212	0109	0213	0113	0211	0204
JUL	0204	0107	0210	0107	0212	0109	0211	0204
AUG	0209	0107	0210	0107	0213	0111	0210	0207
SEP	0209	0107	0213	0110	0214	0112	0213	0204
OCT	0210	0104	0209	0109	0210	0109	0213	0204
NOV	0215	0111	0212	0113	0213	0111	0213	0212
DEC	0215	0210	0214	0214	0215	0214	0214	0214
TOTAL	0211	0104	0212	0110	0213	0111	0213	0210

---ALL TIMES ARE IN HOURS AND MINUTES---



TABLE II-1 (c)

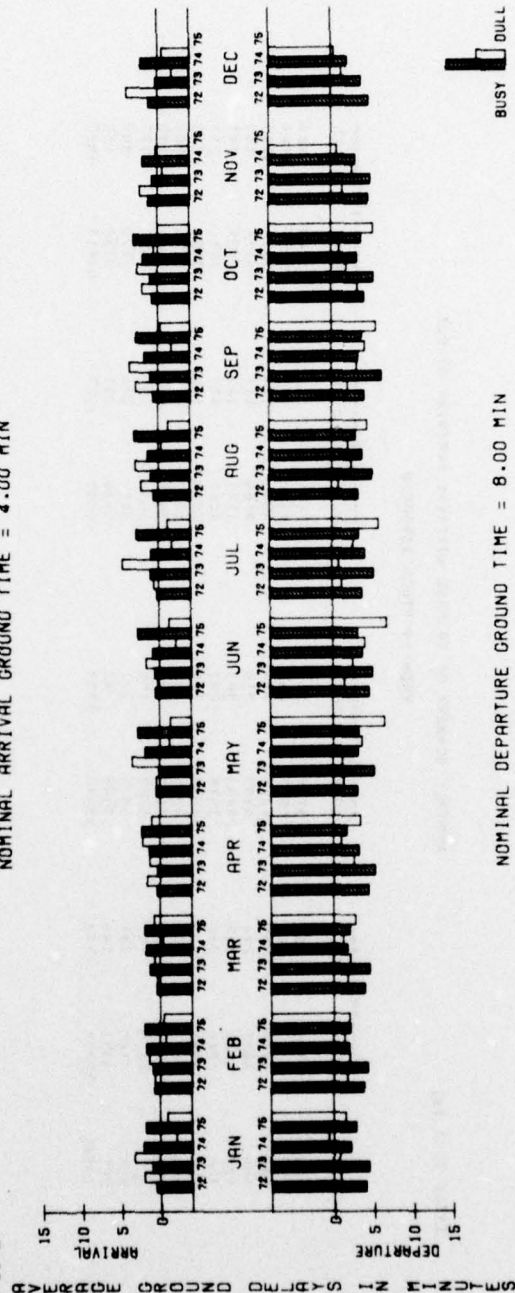
DEPARTURE/ARRIVAL GROUND TIMES BY MONTH  
MONTHLY AVERAGES FOR BUSY VS. DULL INTERVALS FOR AIRPORT ATL

	1972		1973		1974		1975		1976		1977		1978	
	DEPARTURES BUSY	ARRIVALS DULL	DEPARTURES BUSY	ARRIVALS DULL	DEPARTURES BUSY	ARRIVALS DULL	DEPARTURES BUSY	ARRIVALS DULL	DEPARTURES BUSY	ARRIVALS DULL	DEPARTURES BUSY	ARRIVALS DULL	DEPARTURES BUSY	ARRIVALS DULL
JAN	0112	0109	0105	0106	0112	0109	0105	0107	0110	0107	0110	0106	0111	0103
FEB	0112	0110	0105	0105	0112	0110	0105	0105	0110	0109	0110	0106	0110	0104
MAR	0112	0110	0104	0104	0113	0110	0105	0105	0110	0109	0110	0106	0110	0105
APR	0112	0109	0104	0106	0113	0111	0104	0105	0111	0109	0110	0106	0110	0105
MAY	0111	0109	0105	0105	0113	0109	0104	0108	0111	0112	0112	0106	0111	0103
JUN	0113	0109	0105	0104	0113	0110	0105	0106	0112	0112	0115	0107	0111	0103
JUL	0112	0109	0104	0105	0113	0109	0105	0109	0112	0111	0115	0107	0111	0103
AUG	0111	0109	0105	0106	0113	0110	0105	0107	0112	0110	0112	0107	0111	0103
SEP	0112	0110	0105	0107	0113	0111	0105	0104	0111	0112	0112	0107	0112	0104
OCT	0112	0111	0105	0106	0113	0110	0105	0107	0111	0109	0112	0107	0112	0104
NOV	0113	0109	0105	0106	0113	0111	0105	0104	0111	0109	0112	0107	0112	0104
DEC	0113	0108	0105	0104	0112	0109	0104	0102	0111	0108	0111	0107	0111	0104
TOTAL	0112	0109	0105	0106	0113	0110	0105	0106	0111	0110	0111	0107	0111	0104

\* SEE PAGE 14 FOR EXPLANATION OF MISSING DATA

FIGURE II-1

NOMINAL ARRIVAL GROUND TIME = 4.00 MIN



NOMINAL DEPARTURE GROUND TIME = 8.00 MIN

BUSY DULL

TABLE II-2 (a)  
MONTHLY SUMMARY OF TRAFFIC ACTIVITY ARRIVING AT BOS  
FROM 19 STUDY AIRPORTS

	-----1972-----		-----1973-----		-----1974-----		-----1975-----	
	BUSY	DULL	BUSY	DULL	BUSY	DULL	BUSY	DULL
JAN	4351	227	3268	103	2136	1	3509	173
FEB	4363	246	3907	252	3379	93	3599	163
MAR	4724	289	4263	250	3501	115	3671	119
APR	4687	274	4183	216	3584	110	3473	115
MAY	4719	218	4433	341	3293	128	4129	173
JUN	4260	204	3618	291	3067	137	3231	145
JUL	4161	172	3697	240	2914	117	3126	120
AUG	4677	235	4606	399	4337	230	4166	103
SEP	4121	192	4137	272	3636	187	3484	175
OCT	4405	197	3662	100	3636	169	3499	187
NOV	4545	245	3891	271	3878	236	3870	165
DEC	3851	144	3385	92	3624	207	3330	104
TOTAL	52448	2643	47870	2909	40847	1724	42917	1822

TABLE II-2 (b)  
MONTHLY SUMMARY OF AIRLINE DELAYS ARRIVING AT BOS  
FROM 19 STUDY AIRPORTS

	-----1972-----		-----1973-----		-----1974-----		-----1975-----	
	BUSY	DULL	BUSY	DULL	BUSY	DULL	BUSY	DULL
JAN	01:06	01:10	01:06	01:03	01:06	01:04	01:05	01:09
FEB	01:09	01:11	01:08	01:09	01:09	01:06	01:06	01:10
MAR	01:11	01:12	01:08	01:10	01:06	01:06	01:05	01:10
APR	01:09	01:10	01:08	01:09	01:06	01:07	01:07	01:13
MAY	01:13	01:14	01:08	01:06	01:08	01:08	01:08	01:10
JUN	01:11	01:12	01:11	01:07	01:08	01:08	01:10	01:11
JUL	01:10	01:15	01:09	01:07	01:09	01:12	01:11	01:11
AUG	01:09	01:10	01:09	01:08	01:09	01:09	01:09	01:11
SEP	01:09	01:09	01:08	01:05	01:08	01:11	01:07	01:09
OCT	01:07	01:08	01:09	01:07	01:08	01:09	01:07	01:10
NOV	01:07	01:06	01:07	01:05	01:07	01:11	01:07	01:10
DEC	01:06	01:07	01:07	01:08	01:07	01:11	01:07	01:12
TOTAL	01:09	01:10	01:08	01:07	01:08	01:09	01:08	01:10

-----ALL TIMES ARE IN HOURS AND MINUTES-----

TABLE II-2 (c)

DEPARTURE/ARRIVAL GROUND TIMES BY MONTH  
MONTHLY AVERAGES FOR BUSY VS. DULL INTERVALS FOR AIRPORT NOS

	1973				1974				1975			
	DEPARTURES BUSY	DULL	ARRIVALS BUSY	DULL	DEPARTURES BUSY	DULL	ARRIVALS BUSY	DULL	DEPARTURES BUSY	DULL	ARRIVALS BUSY	DULL
JAN	0110	0111	0103	0102	0111	0114	0104	0103	0109	0107	0105	0102
FEB	0111	0111	0104	0102	0111	0111	0106	0102	0110	0106	0106	0102
MAR	0110	0111	0103	0102	0109	0112	0105	0103	0109	0109	0105	0103
APR	0109	0111	0103	0102	0109	0111	0106	0102	0108	0110	0105	0102
MAY	0109	0112	0103	0102	0109	0110	0106	0102	0108	0109	0106	0102
JUN	0110	0111	0104	0102	0109	0110	0106	0102	0110	0110	0105	0102
JUL	0110	0111	0104	0102	0109	0110	0106	0102	0111	0106	0105	0103
AUG	0110	0111	0104	0102	0109	0110	0106	0102	0111	0106	0105	0103
SEP	0110	0111	0104	0102	0109	0110	0106	0102	0111	0106	0105	0103
OCT	0110	0111	0104	0102	0109	0110	0106	0102	0111	0106	0105	0103
NOV	0110	0111	0104	0102	0109	0110	0106	0102	0111	0106	0105	0103
DEC	0110	0111	0104	0102	0109	0110	0106	0102	0111	0106	0105	0103
TOTAL	0110	0111	0104	0102	0109	0110	0106	0102	0110	0106	0105	0102

\* SEP PAGE 15 FOR EXPLANATION OF MISSING DATA

FIGURE II-2

NOMINAL ARRIVAL GROUND TIME = 2.00 MIN

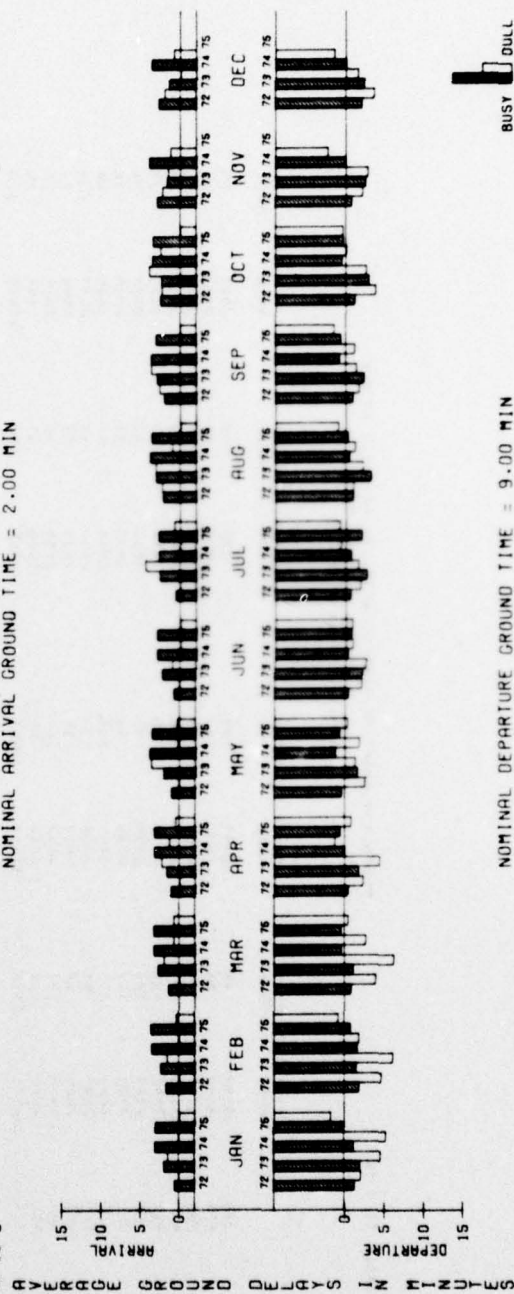




TABLE II-3 (a)

MONTHLY SUMMARY OF TRAFFIC ACTIVITY ARRIVING AT CLE  
FROM 19 STUDY AIRPORTS

	-----1972-----		-----1973-----		-----1974-----		-----1975-----	
	BUSY	DULL	BUSY	DULL	BUSY	DULL	BUSY	DULL
JAN	3089	45	2793	143	385	50	2347	24
FEB	3062	93	2633	142	2222	75	2332	47
MAR	3265	104	2841	171	2434	88	2478	56
APR	3114	93	2755	164	2500	64	2396	38
MAY	3197	126	3022	119	1704	52	2681	27
JUN	2704	120	2829	94	1010	50	2323	24
JUL	2500	102	2876	96	1023	51	2310	26
AUG	2804	110	3163	148	2946	59	2400	49
SEP	2490	51	2736	130	2640	52	2437	19
OCT	2841	84	2617	135	2671	56	2656	23
NOV	2979	143	2632	160	2054	54	2615	18
DEC	2655	116	2076	91	1906	47	1794	19
TOTAL	34573	1150	35013	1597	22885	698	28414	370

TABLE II-3 (b)

MONTHLY SUMMARY OF AIRBORNE DELAYS ARRIVING AT CLE  
FROM 19 STUDY AIRPORTS

	-----1972-----		-----1973-----		-----1974-----		-----1975-----	
	BUSY	DULL	BUSY	DULL	BUSY	DULL	BUSY	DULL
JAN	0105	-0105	0106	0102	0102	-0105	0106	0101
FEB	0105	0102	0106	0105	0106	-0102	0107	0105
MAR	0105	0103	0106	0104	0105	0101	0106	0105
APR	0104	0101	0104	0103	0104	0101	0105	0101
MAY	0104	0104	0105	0102	0105	-0101	0105	-0106
JUN	0105	0105	0104	-0100	0104	-0100	0104	-0107
JUL	0103	0106	0104	0100	0104	0101	0104	-0100
AUG	0104	0105	0104	0102	0104	-0103	0104	-0105
SEP	0103	0104	0103	0101	0105	0100	0104	-0106
OCT	0104	0104	0104	0101	0105	-0101	0104	-0106
NOV	0106	0101	0105	0103	0105	-0104	0105	-0104
DEC	0107	0104	0105	0101	0106	-0103	0106	-0101
TOTAL	0105	0103	0105	0102	0105	-0101	0105	-0101

-----ALL TIMES ARE IN HOURS AND MINUTES-----

TABLE II -3 (c)

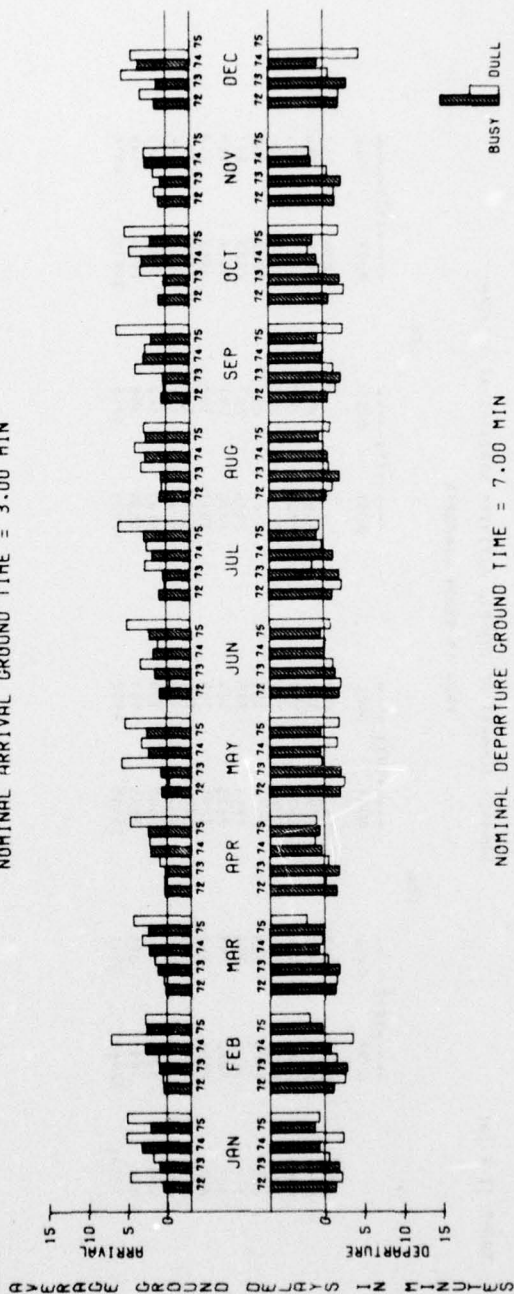
DEPARTURE/ARRIVAL GROUND TIMES BY MONTH  
MONTHLY AVERAGES FOR BUSY VS. DULL INTERVALS FOR AIRPORT CLE

	1972		1973		1974		1975	
	DEPARTURES BUSY DULL	ARRIVALS BUSY DULL	DEPARTURES BUSY DULL	ARRIVALS BUSY DULL	DEPARTURES BUSY DULL	ARRIVALS BUSY DULL	DEPARTURES BUSY DULL	ARRIVALS BUSY DULL
JAN	0108 0109	0104 0108	0109 0108	0104 0105	0106 0109	0106 0108	0106 0105	0108 0108
FEB	0108 0110	0103 0104	0110 0108	0104 0104	0108 0111	0107 0105	0107 0105	0106 0106
MAR	0108 0109	0103 0103	0109 0107	0104 0105	0106 0107	0105 0105	0106 0106	0105 0107
APR	0109 0107	0103 0103	0108 0108	0103 0104	0107 0106	0105 0105	0107 0109	0106 0108
MAY	0109 0110	0104 0103	0109 0107	0104 0109	0106 0109	0105 0105	0107 0108	0106 0108
JUN	0109 0109	0104 0103	0108 0108	0105 0106	0107 0107	0105 0104	0106 0108	0105 0108
JUL	0108 0109	0104 0103	0109 0105	0103 0106	0108 0107	0105 0106	0106 0106	0106 0109
AUG	0107 0108	0104 0104	0109 0108	0104 0106	0108 0107	0106 0107	0106 0108	0106 0106
SEP	0107 0109	0104 0103	0106 0106	0103 0106	0106 0105	0106 0106	0106 0105	0105 0104
OCT	0108 0110	0104 0105	0109 0108	0104 0109	0106 0105	0105 0106	0106 0106	0106 0106
NOV	0108 0108	0104 0105	0110 0108	0104 0109	0106 0105	0105 0106	0106 0105	0105 0104
DEC	0109 0109	0105 0106	0109 0107	0104 0106	0107 0107	0106 0107	0106 0105	0105 0107
TOTAL	0108 0109	0104 0104	0109 0109	0104 0106	0107 0107	0106 0106	0106 0107	0105 0107

\* SEE PAGE 15 FOR EXPLANATION OF MISSING DATA

FIGURE II-3

NOMINAL ARRIVAL GROUND TIME = 3.00 MIN



NOMINAL DEPARTURE GROUND TIME = 7.00 MIN

TABLE II-4 (a)  
MONTHLY SUMMARY OF TRAFFIC ACTIVITY ARRIVING AT DAL/DFW  
FROM 19 STUDY AIRPORTS

	DAL		DFW	
	-----1972-----	-----1973-----	-----1974-----	-----1975-----
	BUSY	DULL	BUSY	DULL
JAN	2742	217	2410	277
FEB	2738	203	2597	311
MAR	2808	316	2801	359
APR	2755	294	2554	331
MAY	2940	324	2836	353
JUN	2723	265	2619	346
JUL	2886	253	2673	324
AUG	2956	362	3295	389
SEP	2625	291	2955	341
OCT	2674	292	2965	342
NOV	2714	351	2962	399
DEC	2491	293	2840	330
TOTAL	32466	3541	33535	4102
			BUSY	DULL
			32929	3478
			BUSY	DULL
			3094	257
			2975	366
			3069	411
			3010	406
			3218	469
			2943	391
			3014	408
			292	292
			3412	514
			2859	435
			2937	435
			3132	391
			2950	391
			36514	4874

TABLE II-4 (b)  
MONTHLY SUMMARY OF AIRBORNE DELAYS ARRIVING AT DAL/DFW  
FROM 19 STUDY AIRPORTS

	DAL		DFW	
	-----1972-----	-----1973-----	-----1974-----	-----1975-----
	BUSY	DULL	BUSY	DULL
JAN	0113	0110	0115	0108
FEB	0110	0106	0113	0106
MAR	0109	0107	0114	0113
APR	0109	0106	0113	0109
MAY	0105	0103	0109	0106
JUN	0105	0104	0107	0105
JUL	0103	0101	0105	0101
AUG	0104	0103	0104	0101
SEP	0106	0102	0111	0101
OCT	0104	0103	0109	0102
NOV	0112	0108	0114	0108
DEC	0114	0109	0110	0107
TOTAL	0104	0105	0110	0106
			BUSY	DULL
			0114	0105
			0113	0104
			0114	0103
			0113	0108
			0109	0105
			0105	0101
			0103	0101
			0102	0101
			0105	0101
			0105	0101
			0108	0101
			0109	0102
			0108	0102

---ALL TIMES ARE IN HOURS AND MINUTES---



TABLE II-4 (c)

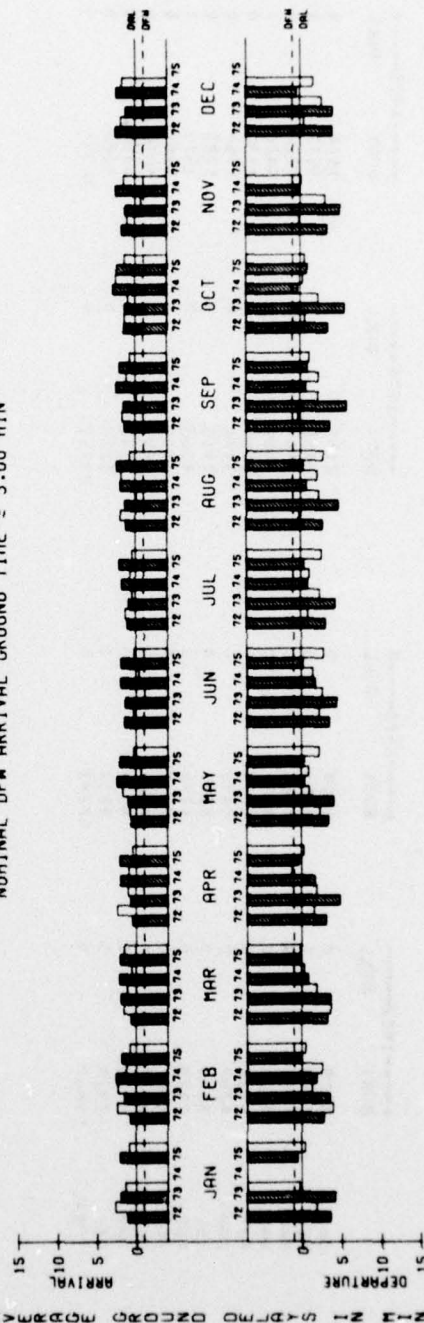
DEPARTURE/ARRIVAL GROUND TIMES BY MONTH  
MONTHLY AVERAGES FOR BUSY VS. DULL INTERVALS FOR AIRPORT DAL/DFW

	DAL				1973				1974				1975			
	DEPARTURES	ARRIVALS	BUSY	DULL	DEPARTURES	ARRIVALS	BUSY	DULL	DEPARTURES	ARRIVALS	BUSY	DULL	DEPARTURES	ARRIVALS	BUSY	DULL
JAN	0111	0109	0105	0107	0111	0107	0106	0105	0109	0110	0107	0105	0106	0107	0106	0105
FEB	0110	0111	0105	0106	0110	0108	0106	0106	0108	0110	0107	0105	0107	0107	0106	0105
MAR	0110	0111	0105	0106	0111	0109	0106	0105	0108	0107	0106	0105	0107	0107	0106	0105
APR	0110	0109	0105	0106	0112	0109	0105	0105	0109	0106	0106	0105	0107	0107	0106	0105
MAY	0110	0109	0105	0105	0111	0108	0105	0106	0107	0108	0106	0103	0107	0109	0106	0104
JUN	0110	0109	0106	0104	0111	0110	0105	0103	0109	0108	0106	0104	0107	0110	0106	0104
JUL	0110	0108	0105	0105	0111	0109	0105	0105	0108	0108	0106	0105	0107	0110	0106	0105
AUG	0110	0107	0105	0106	0112	0109	0105	0104	0108	0109	0106	0106	0107	0110	0106	0105
SEP	0111	0107	0105	0106	0113	0109	0105	0104	0108	0109	0107	0105	0108	0109	0106	0105
OCT	0110	0108	0106	0105	0113	0109	0105	0105	0107	0107	0107	0107	0108	0109	0106	0105
NOV	0110	0107	0106	0105	0112	0110	0105	0103	0107	0107	0107	0106	0108	0107	0106	0104
DEC	0110	0107	0107	0106	0111	0110	0105	0103	0107	0109	0106	0104	*	*	*	*
TOTAL	0110	0108	0105	0106	0112	0109	0105	0103	0108	0108	0106	0105	0107	0108	0106	0105

\* SEE PAGE 15 FOR EXPLANATION OF MISSING DATA

FIGURE II-4

NOMINAL DAL ARRIVAL GROUND TIME = 4.00 MIN  
NOMINAL DFW ARRIVAL GROUND TIME = 3.00 MIN



NOMINAL DAL DEPARTURE GROUND TIME = 7.00 MIN  
NOMINAL DFW DEPARTURE GROUND TIME = 6.00 MIN

TABLE II-5 (a)

MONTHLY SUMMARY OF TRAFFIC ACTIVITY ARRIVING AT DCA  
FROM 19 STUDY AIRPORTS

	-----1972-----	-----1973-----	-----1974-----	-----1975-----
	BUSY	BUSY	BUSY	BUSY
	DULL	DULL	DULL	DULL
JAN	4376	3689	2135	3834
FEB	4244	4066	3456	3577
MAR	4671	4666	3069	3924
APR	4828	4382	3808	3820
MAY	4712	4066	3393	4170
JUN	4202	4096	3146	3764
JUL	3609	4447	2935	3723
AUG	4086	4796	4065	3971
SEP	3767	4404	3769	3687
OCT	4338	4226	3935	3278
NOV	4520	4349	3379	3756
DEC	3914	3834	3219	3289
TOTAL	50867	52343	41111	44753

TABLE II-5 (b)

MONTHLY SUMMARY OF AIRBORNE DELAYS ARRIVING AT DCA  
FROM 19 STUDY AIRPORTS

	-----1972-----	-----1973-----	-----1974-----	-----1975-----
	BUSY	BUSY	BUSY	BUSY
	DULL	DULL	DULL	DULL
JAN	0108	0106	0109	0107
FEB	0108	0108	0107	0107
MAR	0108	0108	0106	0107
APR	0107	0107	0107	0106
MAY	0109	0108	0107	0107
JUN	0108	0108	0107	0107
JUL	0107	0106	0106	0107
AUG	0106	0107	0107	0106
SEP	0107	0107	0111	0107
OCT	0107	0107	0110	0107
NOV	0109	0106	0107	0108
DEC	0107	0108	0107	0108
TOTAL	0108	0107	0108	0107

-----ALL TIMES ARE IN MINUTES AND MINUTES-----

TABLE II-5 (C)

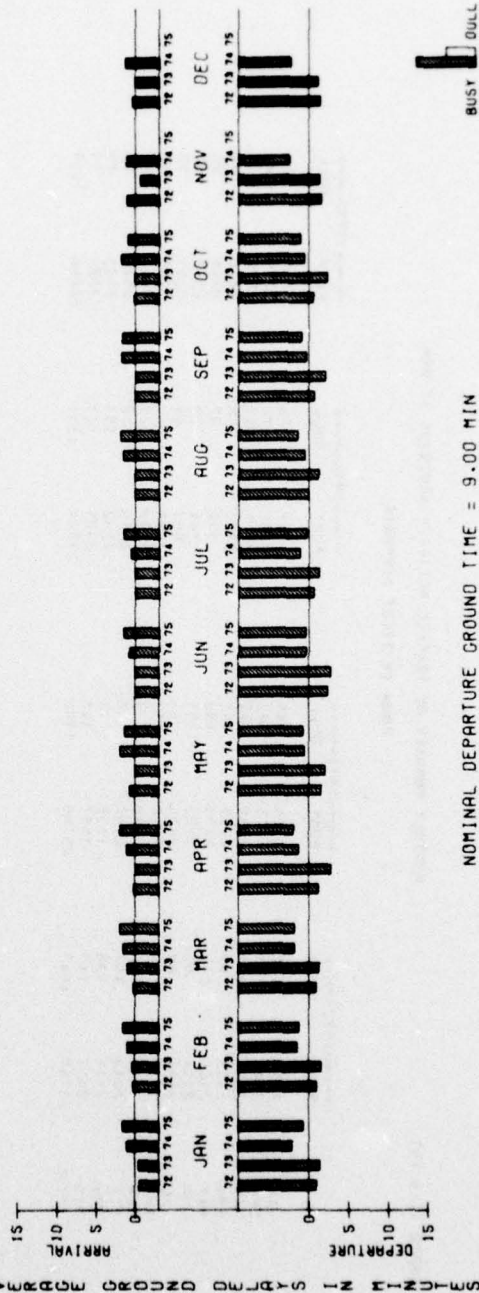
DEPARTURE/ARRIVAL GROUND TIMES BY MONTH  
MONTHLY AVERAGES FOR BUSY VS. DULL INTERVALS FOR AIRPORT DCA

	1972		1973		1974		1975	
	DEPARTURES BUSY DULL	ARRIVALS BUSY DULL	DEPARTURES BUSY DULL	ARRIVALS BUSY DULL	DEPARTURES BUSY DULL	ARRIVALS BUSY DULL	DEPARTURES BUSY DULL	ARRIVALS BUSY DULL
JAN	0110	0103	0110	0103	0107	0104	0108	0105
FEB	0110	0103	0111	0103	0107	0104	0108	0105
MAR	0110	0103	0110	0104	0107	0105	0107	0105
APR	0110	0103	0112	0103	0108	0104	0107	0105
MAY	0111	0104	0111	0103	0108	0105	0108	0106
JUN	0111	0103	0112	0103	0109	0106	0109	0105
JUL	0110	0103	0110	0103	0108	0104	0109	0105
AUG	0109	0103	0110	0103	0108	0105	0108	0105
SEP	0110	0103	0111	0103	0109	0105	0108	0105
OCT	0110	0103	0111	0103	0108	0105	0108	0106
NOV	0111	0104	0110	0102	0107	0104	0108	0106
DEC	0110	0103	0110	0103	0107	0104	0108	0105
TOTAL	0110	0103	0111	0103	0108	0104	0108	0105

\* SEE PAGE 15 FOR EXPLANATION OF MISSING DATA

FIGURE II-5

NOMINAL ARRIVAL GROUND TIME = 3.00 MIN



NOMINAL DEPARTURE GROUND TIME = 9.00 MIN



TABLE II-6 (a)  
MONTHLY SUMMARY OF TRAFFIC ACTIVITY ARRIVING AT DEN  
FROM 19 STUDY AIRPORTS

	-----1972-----		-----1973-----		-----1974-----		-----1975-----	
	BUSY	DULL	BUSY	DULL	BUSY	DULL	BUSY	DULL
JAN	2370	103	2124	145	461	76	2404	111
FEB	2340	90	2003	141	2101	90	2232	102
MAR	2406	107	2278	160	2411	117	2436	115
APR	2207	90	2174	145	2300	100	2200	107
MAY	2461	125	2273	136	992	93	2404	93
JUN	2114	97	2021	131	920	59	2072	90
JUL	2124	88	2086	133	953	60	2135	92
AUG	2730	158	2538	137	2044	114	2700	92
SEP	2467	152	2196	113	2520	107	2463	89
OCT	2442	152	2102	108	2536	112	2510	93
NOV	2424	136	1650	121	2242	103	2435	85
DEC	2407	144	1607	114	2325	108	2027	90
TOTAL	20760	1463	25168	1508	22701	1156	20266	1159

TABLE II-6 (b)  
MONTHLY SUMMARY OF AIRBORNE DELAYS ARRIVING AT DEN  
FROM 19 STUDY AIRPORTS

	-----1972-----		-----1973-----		-----1974-----		-----1975-----	
	BUSY	DULL	BUSY	DULL	BUSY	DULL	BUSY	DULL
JAN	0:11	0:01	0:04	-0:01	0:04	0:00	0:00	0:03
FEB	0:07	-0:01	0:01	-0:03	0:05	0:00	0:00	0:03
MAR	0:05	-0:02	0:03	-0:01	0:04	0:03	0:00	0:02
APR	0:06	-0:00	0:04	-0:03	0:05	0:01	0:00	0:03
MAY	0:02	-0:05	0:02	-0:02	0:03	0:00	0:03	0:01
JUN	0:01	-0:07	-0:01	-0:05	0:02	-0:04	-0:02	-0:00
JUL	0:01	-0:06	-0:00	-0:06	0:00	-0:03	-0:02	-0:01
AUG	0:00	-0:05	-0:03	-0:04	0:01	-0:01	0:00	-0:02
SEP	0:02	-0:04	0:00	-0:02	0:05	0:01	0:02	-0:01
OCT	0:05	-0:02	-0:00	-0:03	0:03	0:01	0:03	0:00
NOV	0:07	-0:02	0:06	0:03	0:05	0:00	0:05	0:01
DEC	0:04	0:02	0:03	-0:00	0:05	0:01	0:06	0:02
TOTAL	0:05	-0:02	0:02	-0:02	0:04	0:00	0:04	0:01

-----ALL TIMES ARE IN HOURS AND MINUTES-----

TABLE II-6 (c)

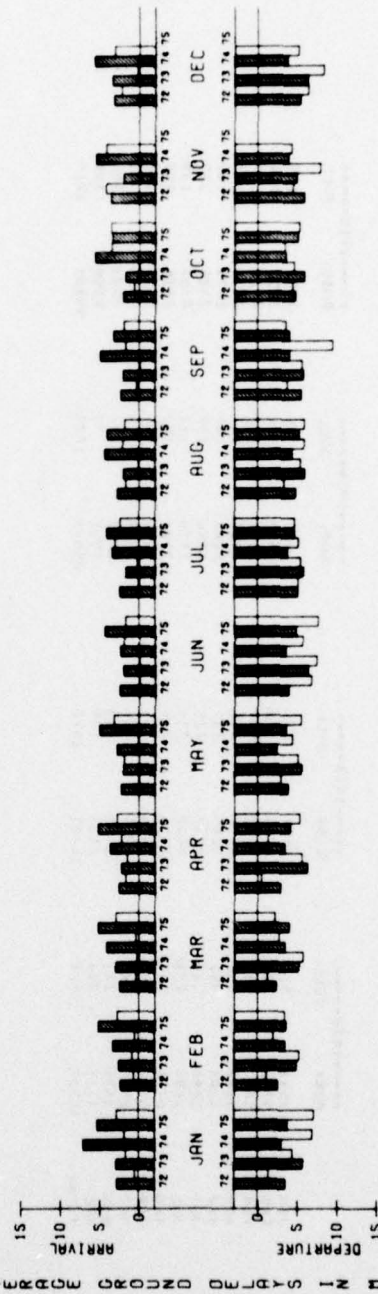
DEPARTURE/ARRIVAL GROUND TIMES BY MONTH  
MONTHLY AVERAGES FOR BUSY VS. DULL INTERVALS FOR AIRPORT DEN

	1972		1973		1974		1975	
	DEPARTURES BUSY DULL	ARRIVALS BUSY DULL	DEPARTURES BUSY DULL	ARRIVALS BUSY DULL	DEPARTURES BUSY DULL	ARRIVALS BUSY DULL	DEPARTURES BUSY DULL	ARRIVALS BUSY DULL
JAN	0107 0104	0105 0103	0109 0107	0105 0104	0106 0110	0105 0103	0107 0110	0107 0105
FEB	0106 0104	0104 0103	0108 0106	0105 0103	0107 0105	0105 0103	0107 0106	0107 0105
MAR	0105 0104	0105 0102	0108 0106	0105 0102	0106 0104	0104 0102	0107 0105	0107 0105
APR	0106 0103	0105 0104	0109 0107	0104 0104	0106 0104	0106 0104	0107 0108	0107 0105
MAY	0107 0106	0104 0102	0109 0108	0104 0104	0105 0107	0105 0102	0107 0109	0107 0105
JUN	0107 0110	0105 0102	0109 0110	0104 0102	0107 0109	0104 0104	0108 0111	0106 0104
JUL	0108 0108	0104 0102	0109 0108	0104 0102	0107 0108	0105 0105	0108 0108	0106 0104
AUG	0108 0106	0105 0104	0109 0108	0104 0102	0107 0109	0106 0104	0108 0109	0106 0104
SEP	0109 0107	0104 0102	0109 0109	0104 0102	0107 0113	0107 0104	0107 0107	0105 0104
OCT	0109 0107	0104 0103	0109 0108	0104 0102	0107 0106	0108 0106	0107 0107	0105 0104
NOV	0109 0108	0106 0106	0109 0111	0104 0102	0107 0107	0108 0106	0108 0108	0106 0106
DEC	0109 0109	0105 0104	0109 0111	0105 0102	0107 0107	0108 0105	0107 0107	0107 0105
TOTAL	0107 0107	0105 0101	0109 0109	0104 0103	0107 0107	0107 0107	0107 0108	0107 0105

\* SEE PAGE 15 FOR EXPLANATION OF MISSING DATA

FIGURE II-6

NOMINAL ARRIVAL GROUND TIME = 2.00 MIN



NOMINAL DEPARTURE GROUND TIME = 3.00 MIN



TABLE II-7 (a)  
MONTHLY SUMMARY OF TRAFFIC ACTIVITY ARRIVING AT OTM  
FROM 19 STUDY AIRPORTS

	-----1972-----		-----1973-----		-----1974-----		-----1975-----	
	BUSY	DULL	BUSY	DULL	BUSY	DULL	BUSY	DULL
JAN	3041	311	2037	231	904	56	2407	185
FEB	3262	350	3145	200	2362	166	2557	164
MAR	3492	401	3131	219	2523	187	2712	180
APR	3243	372	3207	218	2633	157	2533	172
MAY	3284	357	3485	232	2164	164	2773	160
JUN	2894	349	2792	225	1752	109	2305	130
JUL	2149	223	2614	230	1720	111	2367	134
AUG	2766	271	3426	249	3292	204	2924	200
SEP	2342	255	2873	225	2606	244	2573	171
OCT	2950	324	2805	191	2639	254	1716	63
NOV	3375	241	2836	213	1877	84	2744	204
DEC	3015	214	2406	179	1557	79	2300	165
TOTAL	35414	3664	36221	2612	25000	1875	30001	1914

TABLE II-7 (b)  
MONTHLY SUMMARY OF AIRBORNE DELAYS ARRIVING AT OTM  
FROM 19 STUDY AIRPORTS

	-----1972-----		-----1973-----		-----1974-----		-----1975-----	
	BUSY	DULL	BUSY	DULL	BUSY	DULL	BUSY	DULL
JAN	0106	-0101	0106	0104	0104	-0104	0106	0104
FEB	0105	0103	0106	0104	0104	0102	0105	0105
MAR	0105	0103	0107	0104	0105	0101	0104	0103
APR	0104	0102	0104	0103	0103	0102	0103	0101
MAY	0103	0103	0104	0103	0104	0102	0103	0104
JUN	0104	0102	0104	0103	0102	0102	0104	0103
JUL	0102	0102	0103	0100	0105	0105	0103	0103
AUG	0104	0103	0103	0102	0103	0104	0104	0104
SEP	0102	0104	0103	0101	0104	0104	0104	0104
OCT	0103	0101	0105	0102	0104	0105	0103	0100
NOV	0105	0103	0104	0102	0104	0102	0104	0105
DEC	0110	0104	0104	0104	0106	0103	0106	0109
TOTAL	0105	0102	0104	0103	0104	0103	0104	0104

-----ALL TIMES ARE IN HOURS AND MINUTES-----



TABLE II-7 (c)

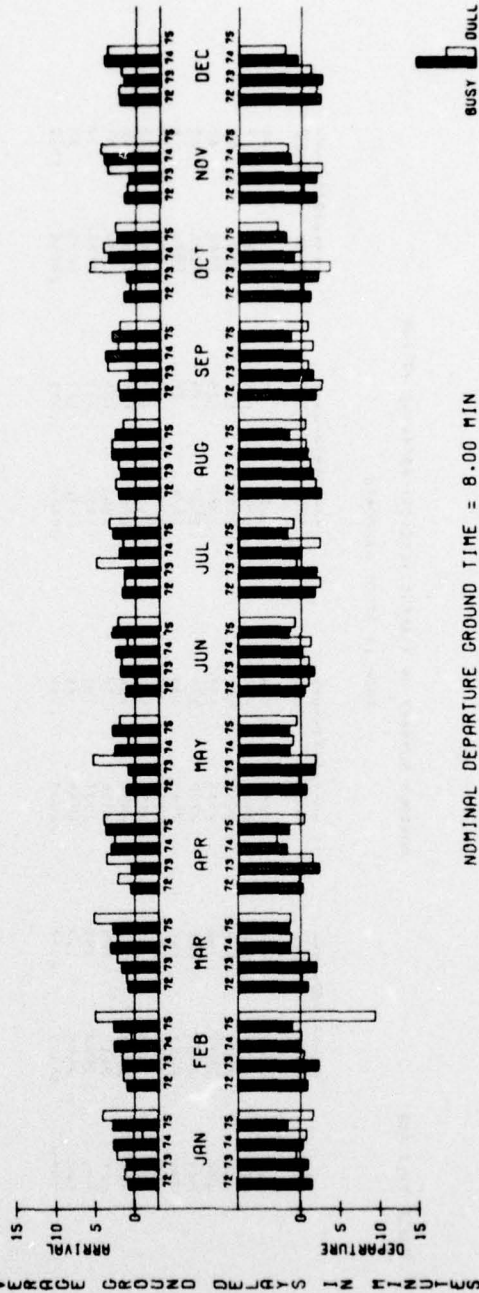
DEPARTURE/ARRIVAL GROUND TIMES BY MONTH  
MONTHLY AVERAGES FOR BUSY VS. DULL INTERVALS FOR AIRPORT DTM

	1972				1973				1974				1975			
	DEPARTURES BUSY	DULL	ARRIVALS BUSY	DULL	DEPARTURES BUSY	DULL	ARRIVALS BUSY	DULL	DEPARTURES BUSY	DULL	ARRIVALS BUSY	DULL	DEPARTURES BUSY	DULL	ARRIVALS BUSY	DULL
JAN	0109	0108	0104	0104	0109	0108	0104	0105	0108	0109	0106	0102	0106	0110	0106	0107
FEB	0109	0109	0104	0105	0110	0108	0105	0105	0108	0108	0106	0104	0107	0117	0106	0108
MAR	0109	0108	0104	0105	0110	0109	0105	0107	0107	0107	0106	0105	0107	0107	0106	0108
APR	0109	0108	0104	0105	0110	0109	0104	0107	0106	0105	0106	0104	0106	0108	0107	0107
MAY	0109	0108	0104	0105	0110	0109	0104	0107	0106	0105	0106	0104	0106	0107	0106	0105
JUN	0109	0108	0104	0105	0110	0109	0104	0107	0106	0105	0106	0104	0106	0107	0106	0105
JUL	0110	0110	0105	0108	0110	0107	0104	0108	0108	0109	0106	0108	0106	0107	0106	0105
AUG	0110	0110	0105	0108	0109	0109	0105	0108	0108	0109	0106	0105	0106	0107	0106	0106
SEP	0110	0111	0105	0108	0109	0109	0104	0107	0108	0109	0106	0105	0106	0109	0106	0105
OCT	0110	0108	0105	0108	0110	0112	0104	0109	0107	0108	0107	0107	0106	0105	0106	0105
NOV	0110	0108	0105	0108	0110	0111	0104	0107	0107	0106	0107	0107	0106	0105	0105	0106
DEC	0110	0110	0105	0108	0111	0109	0105	0105	0107	0106	0107	0107	0106	0105	0105	0106
TOTAL	0109	0109	0104	0104	0110	0109	0104	0106	0107	0108	0106	0105	0106	0109	0106	0106

• SEE PAGE 15 FOR EXPLANATION OF MISSING DATA

FIGURE II-7

NOMINAL ARRIVAL GROUND TIME = 3.00 MIN



MONTHLY SUMMARY OF TRAFFIC ACTIVITY ARRIVING AT FOR  
FROM 19 STUDY AIRPORTS

TABLE II-8 (a)

	-----1972-----	-----1973-----	-----1974-----	-----1975-----
	RUSY	RUSY	RUSY	RUSY
JAN	2468	2459	605	1752
FEB	2504	2192	1848	2031
MAR	2723	2451	115	2181
APR	2573	2475	125	2098
MAY	2630	2706	83	2311
JUN	2311	2365	80	1971
JUL	2145	2394	1374	1687
AUG	2587	2759	1243	2307
SEP	2387	2438	132	1740
OCT	2611	2316	1941	1509
NOV	2902	2111	124	2188
DEC	2545	1954	1952	1475
TOTAL	30462	24905	1231	23850

MONTHLY SUMMARY OF AIRMINE DELAYS ARRIVING AT LAM  
FROM 19 STUDY AIRPORTS

TABLE II-8 (b)

	-----1972-----	-----1973-----	-----1974-----	-----1975-----
	RUSY	RUSY	RUSY	RUSY
JAN	0105	0104	0104	0103
FEB	0105	0108	0104	0104
MAR	0107	0108	0104	0105
APR	0105	0108	0106	0105
MAY	0108	0108	0107	0108
JUN	0109	0110	0108	0109
JUL	0108	0108	0110	0109
AUG	0107	0109	0110	0108
SEP	0107	0107	0109	0106
OCT	0105	0107	0109	0107
NOV	0106	0105	0107	0108
DEC	0105	0106	0105	0107
TOTAL	0106	0107	0105	0106

-----ALL TIMES ARE IN HOURS AND MINUTES-----

TABLE II-8 (C)

DEPARTURE/ARRIVAL GROUND TIMES BY MONTH  
MONTHLY AVERAGES FOR BUSY VS. DULL INTERVALS FOR AIRPORT FHR

	1972				1973				1974				1975			
	DEPARTURES	ARRIVALS	BUSY	DULL	DEPARTURES	ARRIVALS	BUSY	DULL	DEPARTURES	ARRIVALS	BUSY	DULL	DEPARTURES	ARRIVALS	BUSY	DULL
JAN	0111	0105	0105	0105	0110	0110	0110	0105	0110	0117	0109	0112	0109	0111	0100	0107
FEB	0111	0105	0105	0105	0112	0112	0112	0105	0110	0112	0108	0107	0110	0111	0100	0100
MAR	0111	0105	0105	0105	0112	0112	0112	0105	0109	0113	0108	0108	0110	0112	0100	0100
APR	0111	0105	0105	0105	0112	0112	0112	0105	0110	0110	0108	0107	0109	0112	0100	0100
MAY	0111	0105	0105	0105	0112	0112	0112	0105	0110	0113	0108	0106	0109	0110	0100	0100
JUN	0111	0105	0105	0105	0112	0112	0112	0105	0110	0114	0108	0106	0110	0110	0100	0107
JUL	0111	0105	0105	0105	0112	0112	0112	0105	0111	0111	0108	0106	0110	0112	0100	0100
AUG	0111	0105	0105	0105	0112	0112	0112	0105	0111	0110	0108	0105	0109	0113	0100	0100
SEP	0111	0105	0105	0105	0111	0110	0110	0105	0111	0110	0108	0104	0109	0112	0100	0100
OCT	0112	0105	0105	0105	0112	0112	0112	0105	0110	0111	0108	0106	0109	0112	0100	0100
NOV	0112	0105	0105	0105	0111	0111	0111	0105	0110	0112	0108	0107	0109	0112	0100	0100
DEC	0112	0105	0105	0105	0112	0112	0112	0105	0110	0112	0108	0106	0110	0111	0100	0107
TOTAL	0111	0105	0105	0105	0112	0112	0112	0105	0110	0111	0108	0106	0110	0111	0100	0107

\* SEE PAGE 15 FOR EXPLANATION OF MISSING DATA

FIGURE II-8

NOMINAL ARRIVAL GROUND TIME = 4.00 MIN

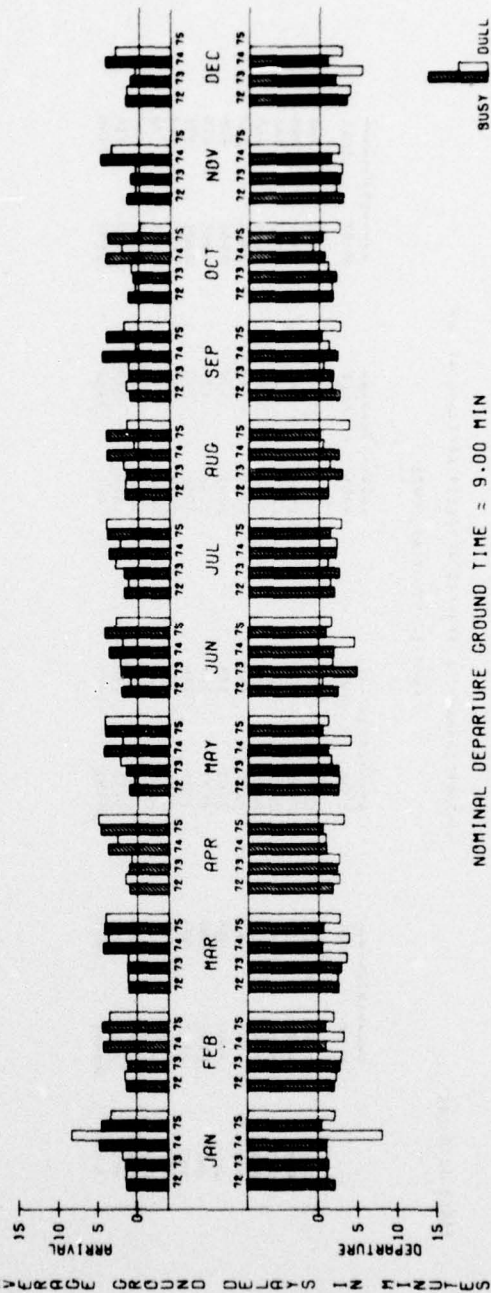




TABLE II-9 (a)  
MONTHLY SUMMARY OF TRAFFIC ACTIVITY ARRIVING AT JFK  
FROM 19 STUDY AIRPORTS

	-----1972-----		-----1973-----		-----1974-----		-----1975-----	
	MUSY	DULL	MUSY	DULL	MUSY	DULL	MUSY	DULL
JAN	2631	536	1974	325	771	50	1730	266
FEB	2671	627	2485	429	1844	267	1904	296
MAR	2687	601	2602	421	1771	296	2191	291
APR	2765	604	2480	404	1614	267	1494	265
MAY	2712	552	2659	599	1327	212	2265	244
JUN	2555	520	2667	353	1267	174	1935	206
JUL	2565	479	2571	501	1142	177	1885	214
AUG	2747	544	5924	446	2092	264	2401	276
SEP	2455	540	2484	309	1774	246	1800	213
OCT	2534	416	2215	259	1594	272	1553	172
NOV	2394	440	1955	314	1660	215	1743	267
DEC	2191	351	1710	233	1624	212	1444	244
TOTAL	23641	6224	24592	4181	14484	2652	22899	2488

TABLE II-9 (b)  
MONTHLY SUMMARY OF AIRMILE DELAYS ARRIVING AT JFK  
FROM 19 STUDY AIRPORTS

	-----1972-----		-----1973-----		-----1974-----		-----1975-----	
	MUSY	DULL	MUSY	DULL	MUSY	DULL	MUSY	DULL
JAN	0:09	0:04	0:04	0:04	0:10	0:00	0:10	0:04
FEB	0:11	0:04	0:12	0:07	0:11	0:02	0:09	0:04
MAR	0:15	0:07	0:14	0:11	0:08	0:02	0:11	0:04
APR	0:11	0:04	0:14	0:07	0:11	0:07	0:09	0:04
MAY	0:23	0:10	0:16	0:09	0:14	0:07	0:13	0:08
JUN	0:14	0:11	0:20	0:13	0:17	0:12	0:18	0:08
JUL	0:13	0:04	0:17	0:04	0:17	0:12	0:21	0:09
AUG	0:12	0:04	0:16	0:07	0:14	0:04	0:13	0:08
SEP	0:11	0:07	0:15	0:07	0:14	0:04	0:13	0:08
OCT	0:09	0:04	0:11	0:06	0:14	0:04	0:11	0:06
NOV	0:09	0:04	0:06	0:03	0:11	0:08	0:11	0:09
DEC	0:10	0:05	0:11	0:05	0:11	0:04	0:16	0:09
TOTAL	0:12	0:07	0:13	0:07	0:13	0:07	0:14	0:07

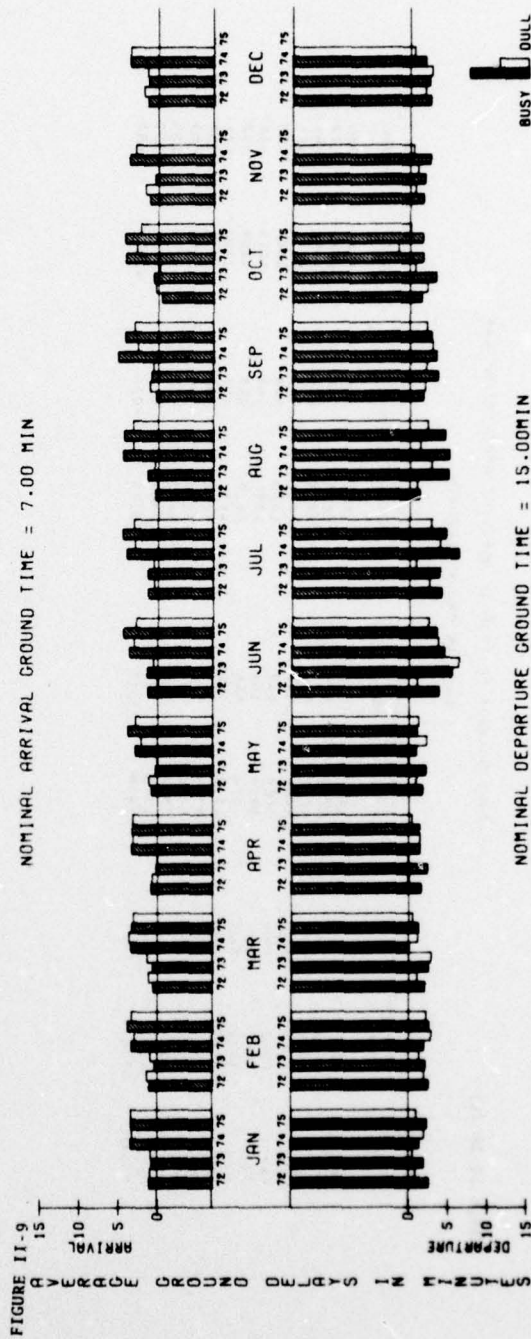
-----ALL TIMES ARE IN HOURS AND MINUTES-----

TABLE II-9 (c)

DEPARTURE/ARRIVAL GROUND TIMES BY MONTH  
MONTHLY AVERAGES FOR BUSY VS. DULL INTERVALS FOR AIRPORT JFK

	1972		1973		1974		1975	
	DEPARTURES BUSY DULL	ARRIVALS BUSY DULL	DEPARTURES BUSY DULL	ARRIVALS BUSY DULL	DEPARTURES BUSY DULL	ARRIVALS BUSY DULL	DEPARTURES BUSY DULL	ARRIVALS BUSY DULL
JAN	0114 0116	0104 0104	0117 0116	0104 0104	0116 0117	0110 0110	0117 0116	0110 0110
FEB	0117 0117	0104 0104	0117 0116	0107 0107	0117 0116	0110 0110	0117 0116	0110 0110
MAR	0117 0116	0104 0104	0117 0116	0107 0107	0117 0116	0110 0110	0117 0116	0110 0110
APR	0117 0115	0104 0104	0117 0115	0107 0107	0116 0116	0110 0110	0116 0115	0110 0110
MAY	0117 0116	0104 0104	0117 0115	0107 0107	0116 0117	0110 0110	0116 0115	0110 0110
JUN	0119 0116	0104 0104	0120 0121	0107 0107	0116 0117	0110 0109	0116 0116	0110 0110
JUL	0119 0116	0104 0104	0119 0116	0107 0107	0119 0119	0110 0110	0118 0117	0110 0110
AUG	0116 0116	0104 0104	0119 0116	0107 0107	0121 0121	0110 0110	0120 0118	0110 0110
SEP	0117 0117	0107 0107	0117 0116	0107 0107	0118 0118	0110 0110	0118 0117	0110 0110
OCT	0117 0116	0104 0104	0117 0116	0107 0107	0117 0116	0110 0110	0117 0116	0110 0110
NOV	0117 0116	0104 0104	0117 0116	0107 0107	0117 0116	0110 0110	0117 0116	0110 0110
DEC	0117 0116	0104 0104	0117 0116	0107 0107	0117 0116	0110 0110	0117 0116	0110 0110
TOTAL	0117 0116	0104 0104	0117 0116	0107 0107	0117 0116	0110 0110	0117 0116	0110 0110

\* SEE PAGE 15 FOR EXPLANATION OF MISSING DATA



MONTHLY SUMMARY OF TRAFFIC ACTIVITY ARRIVING AT LAX  
FROM 19 STUDY AIRPORTS

	-----1972-----	-----1973-----	-----1974-----	-----1975-----
	BUSY	DULL	BUSY	DULL
JAN	3085	551	AM0	104
FEB	4282	567	3287	560
MAR	4354	600	3652	576
APR	4182	611	3202	667
MAY	4412	604	373	608
JUN	3490	624	1670	510
JUL	3834	565	1691	363
AUG	4825	710	1470	357
SEP	4340	593	4134	877
OCT	4383	604	3707	605
NOV	4204	654	3716	725
DEC	4202	560	3022	547
TOTAL	50761	7494	33118	6216
				45504

MONTHLY SUMMARY OF AIRBORNE DELAYS ARRIVING AT LAX  
FROM 19 STUDY AIRPORTS

	-----1972-----	-----1973-----	-----1974-----	-----1975-----
	BUSY	DULL	BUSY	DULL
JAN	0:13	0:17	0:07	0:11
FEB	0:11	0:13	0:08	0:10
MAR	0:07	0:07	0:05	0:10
APR	0:11	0:14	0:04	0:08
MAY	0:03	0:05	0:03	0:11
JUN	0:02	0:04	0:01	0:06
JUL	-0:00	0:02	-0:00	0:05
AUG	-0:00	0:01	-0:03	0:04
SEP	0:05	0:07	0:02	0:10
OCT	0:07	0:11	0:03	0:10
NOV	0:07	0:12	0:12	0:17
DEC	0:11	0:14	0:05	0:16
TOTAL	0:06	0:09	0:03	0:10

-----ALL TIMES ARE IN HOURS AND MINUTES-----



TABLE II-10 (C)

DEPARTURE/ARRIVAL GROUND TIMES BY MONTH  
MONTHLY AVERAGES FOR BUSY VS. DULL INTERVALS FOR AIRPORT LAX

	1972				1973				1974				1975			
	DEPARTURES BUSY	DEPARTURES DULL	ARRIVALS BUSY	ARRIVALS DULL	DEPARTURES BUSY	DEPARTURES DULL	ARRIVALS BUSY	ARRIVALS DULL	DEPARTURES BUSY	DEPARTURES DULL	ARRIVALS BUSY	ARRIVALS DULL	DEPARTURES BUSY	DEPARTURES DULL	ARRIVALS BUSY	ARRIVALS DULL
JAN	0:11	0:10	0:08	0:05	0:11	0:10	0:06	0:05	0:11	0:11	0:08	0:08	0:10	0:11	0:08	0:06
FEB	0:10	0:10	0:06	0:05	0:11	0:11	0:06	0:05	0:09	0:11	0:07	0:05	0:10	0:11	0:08	0:06
MAR	0:10	0:10	0:06	0:05	0:11	0:11	0:07	0:05	0:09	0:11	0:07	0:06	0:10	0:11	0:07	0:07
APR	0:10	0:10	0:06	0:05	0:11	0:11	0:06	0:05	0:09	0:11	0:07	0:06	0:10	0:11	0:08	0:06
MAY	0:10	0:10	0:06	0:05	0:11	0:11	0:06	0:05	0:09	0:11	0:07	0:06	0:10	0:11	0:08	0:05
JUN	0:10	0:10	0:06	0:05	0:11	0:11	0:06	0:05	0:09	0:11	0:07	0:06	0:10	0:11	0:08	0:05
JUL	0:10	0:10	0:06	0:05	0:11	0:11	0:06	0:05	0:09	0:11	0:07	0:06	0:10	0:11	0:08	0:05
AUG	0:10	0:10	0:06	0:05	0:11	0:11	0:06	0:05	0:09	0:11	0:07	0:06	0:10	0:11	0:08	0:05
SEP	0:10	0:10	0:06	0:05	0:11	0:11	0:06	0:05	0:09	0:11	0:07	0:06	0:10	0:11	0:08	0:05
OCT	0:11	0:11	0:06	0:05	0:11	0:11	0:06	0:05	0:09	0:11	0:07	0:06	0:10	0:11	0:08	0:05
NOV	0:11	0:11	0:06	0:05	0:11	0:11	0:06	0:05	0:09	0:11	0:07	0:06	0:10	0:11	0:08	0:05
DEC	0:11	0:11	0:06	0:05	0:11	0:11	0:06	0:05	0:09	0:11	0:07	0:06	0:10	0:11	0:08	0:05
TOTAL	0:11	0:10	0:06	0:05	0:11	0:11	0:06	0:05	0:09	0:11	0:07	0:06	0:10	0:11	0:08	0:05

\* SEE PAGE 15 FOR EXPLANATION OF MISSING DATA

FIGURE II-10

NOMINAL ARRIVAL GROUND TIME = 3.00 MIN

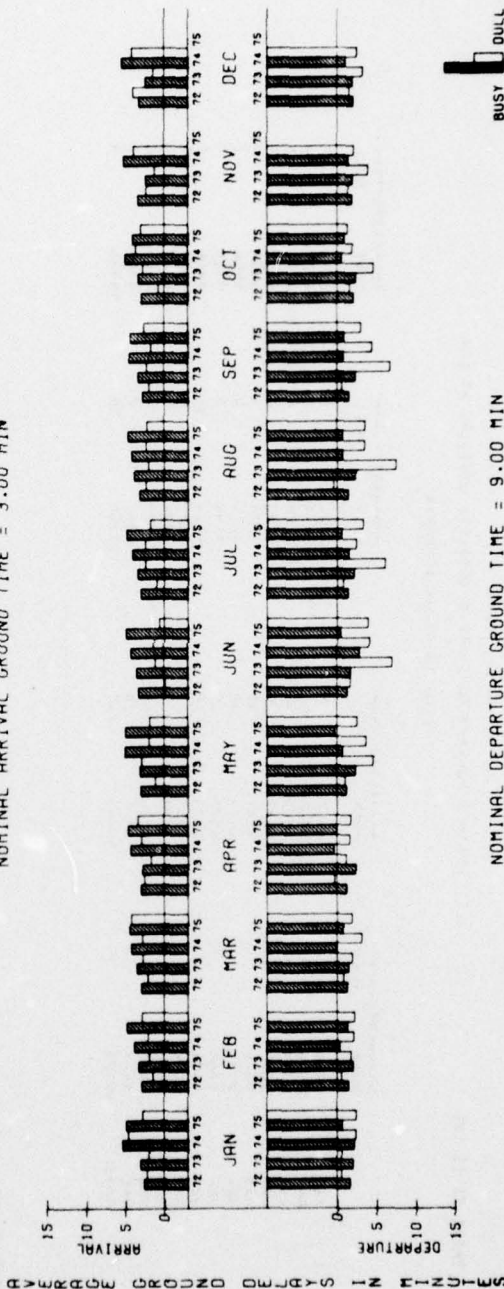


TABLE II-11 (a)  
MONTHLY SUMMARY OF TRAFFIC ACTIVITY ARRIVING AT LGA  
FROM 19 STUDY AIRPORTS

	-----1972-----	-----1973-----	-----1974-----	-----1975-----
	BUSY	BUSY	BUSY	BUSY
JAN	5097	4954	2926	4500
FEB	5106	4908	3153	4220
MAR	5078	5312	4720	4621
APR	5292	5242	4763	4529
MAY	5276	5500	4824	5051
JUN	4903	4449	3619	4554
JUL	4765	4423	3195	4400
AUG	5374	5373	5114	4986
SEP	5090	4045	4679	4667
OCT	5061	4845	4878	4707
NOV	5567	4232	4627	4944
DEC	4825	5005	4362	4305
TOTAL	42428	51468	51260	55486
	DULL	DULL	DULL	DULL
JAN	0	0	0	0
FEB	24	54	0	4
MAR	24	29	0	1
APR	24	29	0	4
MAY	0	31	0	0
JUN	0	28	0	0
JUL	0	0	0	0
AUG	0	29	30	0
SEP	0	29	8	0
OCT	0	0	0	0
NOV	0	24	0	0
DEC	0	14	0	0
TOTAL	75	267	34	9

TABLE II-11 (b)  
MONTHLY SUMMARY OF AIRBORNE DELAYS ARRIVING AT LGA  
FROM 19 STUDY AIRPORTS

	-----1972-----	-----1973-----	-----1974-----	-----1975-----
	BUSY	BUSY	BUSY	BUSY
JAN	0105	0108	0107	0107
FEB	0106	0111	0107	0107
MAR	0109	0114	0106	0100
APR	0107	0112	0107	0106
MAY	0111	0112	0109	0109
JUN	0112	0115	0112	0110
JUL	0109	0109	0112	0110
AUG	0109	0111	0113	0109
SEP	0110	0109	0114	0108
OCT	0108	0110	0113	0107
NOV	0108	0107	0112	0115
DEC	0107	0108	0109	0113
TOTAL	0109	0111	0110	0109
	DULL	DULL	DULL	DULL
JAN	-0103	0103	0107	0106
FEB	0100	0103	0106	0101
MAR	-0100	-0100	0107	-0100
APR	0100	0102	0109	0109
MAY	0100	0100	0112	0110
JUN	0100	0100	0113	0110
JUL	0100	0102	0114	0109
AUG	0100	0102	0114	0108
SEP	0100	0102	0113	0107
OCT	0100	0100	0112	0115
NOV	0100	0100	0109	0113
DEC	-0101	0103	0110	0109
TOTAL	-0101	0103	-0101	0103

---ALL TIMES ARE IN HOURS AND MINUTES---

DEPARTURE/ARRIVAL GROUND TIMES BY MONTH  
MONTHLY AVERAGES FOR BUSY VS. QULL INTERVALS FOR AIRPORT LGA

-----1972-----				-----1973-----				-----1974-----				-----1975-----				
DEPARTURES		ARRIVALS		DEPARTURES		ARRIVALS		DEPARTURES		ARRIVALS		DEPARTURES		ARRIVALS		
MUSY	DULL	MUSY	DULL	MUSY	DULL	MUSY	DULL	MUSY	DULL	MUSY	DULL	MUSY	DULL	MUSY	DULL	
JAN	0115	0204	0105	0204	0116	0111	0106	0104	0113	0110	0109	0110	0114	0111	0108	0111
FEB	0115	0210	0105	0204	0117	0211	0105	0105	0114	0111	0108	0110	0114	0112	0108	0111
MAR	0115	0209	0106	0204	0118	0211	0106	0104	0113	0111	0108	0110	0113	0110	0108	0110
APR	0115	0206	0105	0204	0119	0214	0105	0205	0113	0110	0108	0108	0113	0110	0108	0111
MAY	0115	0211	0105	0205	0117	0213	0105	0205	0114	0111	0109	0109	0114	0109	0108	0110
JUN	0116	0210	0105	0204	0122	0217	0106	0205	0115	0111	0108	0113	0116	0111	0109	0109
JUL	0116	0210	0106	0204	0116	0211	0105	0205	0116	0111	0108	0111	0116	0111	0108	0109
AUG	0114	0204	0106	0204	0118	0215	0106	0205	0116	0115	0108	0106	0115	0115	0108	0108
SEP	0115	0212	0106	0204	0115	0214	0105	0205	0117	0116	0109	0113	0115	0109	0108	0110
OCT	0114	0210	0106	0204	0115	0216	0105	0204	0114	0114	0109	0109	0114	0109	0108	0110
NOV	0115	0211	0106	0205	0114	0216	0105	0204	0115	0109	0109	0109	0115	0109	0108	0110
DEC	0115	0211	0106	0205	0114	0212	0105	0206	0114	0112	0109	0110	0114	0111	0108	0111
TOTAL	0115	0210	0106	0204	0117	0213	0105	0205	0115	0112	0108	0107	0114	0111	0108	0111

\* SEE PAGE 15 FOR EXPLANATION OF MISSING DATA

NOMINAL ARRIVAL GROUND TIME = 4.00 MIN

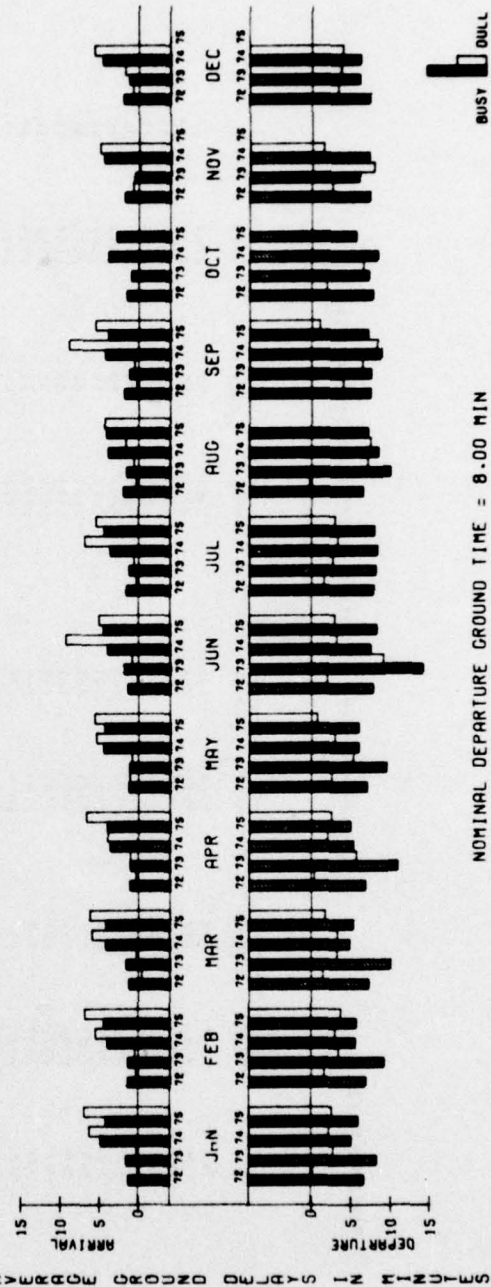




TABLE II-12 (a)

MONTHLY SUMMARY OF TRAFFIC ACTIVITY ARRIVING AT MIA

FROM 19 STUDY AIRPORTS

	-----1972-----	-----1973-----	-----1974-----	-----1975-----
	BUSY	BUSY	BUSY	BUSY
	DULL	DULL	DULL	DULL
JAN	2167	1761	1464	2267
FEB	2452	2450	2232	2386
MAR	2653	2598	2523	2638
APR	2728	2483	2424	2408
MAY	2675	2430	2355	2431
JUN	2569	2374	2202	2167
JUL	2476	2420	1967	2407
AUG	2661	2623	2123	2416
SEP	2294	2155	1873	1688
OCT	2378	2025	1925	1552
NOV	2193	2103	1400	1919
DEC	2185	1849	1714	1725
TOTAL	30077	27271	24655	26180
				944

TABLE II-12 (b)

MONTHLY SUMMARY OF AIRBORNE DELAYS ARRIVING AT MIA

FROM 19 STUDY AIRPORTS

	-----1972-----	-----1973-----	-----1974-----	-----1975-----
	BUSY	BUSY	BUSY	BUSY
	DULL	DULL	DULL	DULL
JAN	0108	0105	0104	0109
FEB	0107	0104	0106	0109
MAR	0104	0103	0106	0108
APR	0104	0104	0104	0105
MAY	0105	0104	0104	0102
JUN	0103	0104	0104	0104
JUL	0103	0102	0105	0105
AUG	0102	0105	0106	0105
SEP	0100	0102	0104	0107
OCT	0101	0102	0104	0104
NOV	0107	0104	0107	0107
DEC	0105	0108	0107	0109
TOTAL	0108	0104	0105	0106
				0103

---ALL TIMES ARE IN HOURS AND MINUTES---

TABLE II-12 (c)

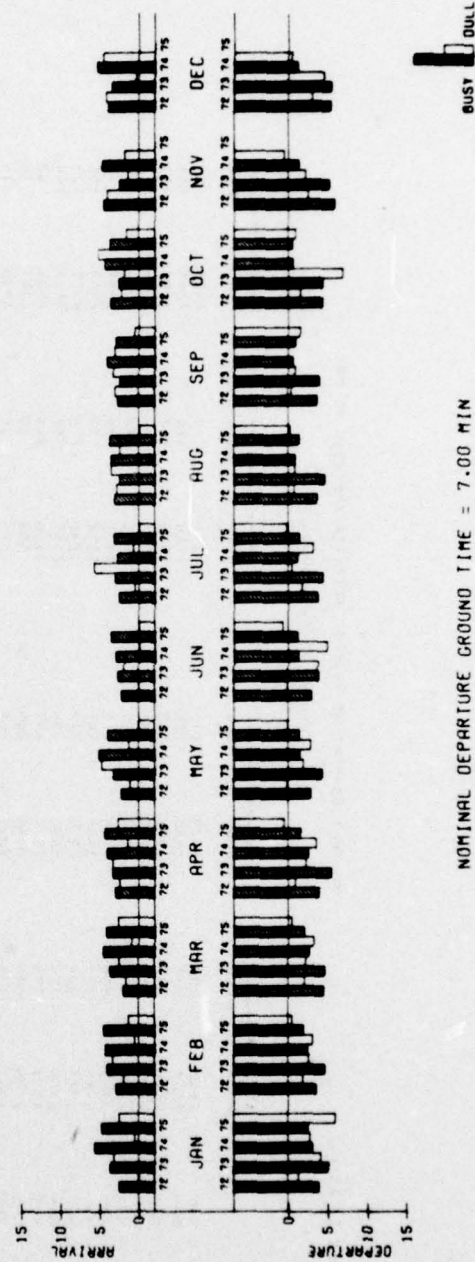
DEPARTURE/ARRIVAL GROUND TIMES BY MONTH  
MONTHLY AVERAGES FOR BUSY VS. DULL INTERVALS FOR AIRPORT MIA

	1972		1973		1974		1975	
	DEPARTURES BUSY DULL	ARRIVALS BUSY DULL	DEPARTURES BUSY DULL	ARRIVALS BUSY DULL	DEPARTURES BUSY DULL	ARRIVALS BUSY DULL	DEPARTURES BUSY DULL	ARRIVALS BUSY DULL
JAN	0111 0104	0105 0102	0112 0111	0106 0105	0110 0110	0106 0103	0109 0113	0107 0105
FEB	0110 0109	0105 0104	0112 0110	0106 0105	0109 0110	0106 0103	0109 0107	0107 0103
MAR	0111 0109	0104 0104	0112 0109	0105 0105	0110 0110	0107 0103	0109 0107	0106 0105
APR	0111 0104	0105 0105	0112 0109	0105 0105	0110 0111	0106 0103	0109 0106	0106 0105
MAY	0110 0107	0104 0103	0111 0109	0105 0107	0108 0110	0107 0103	0108 0107	0106 0102
JUN	0110 0107	0104 0103	0111 0109	0105 0107	0108 0110	0107 0103	0108 0106	0106 0102
JUL	0111 0104	0105 0105	0112 0109	0105 0107	0108 0110	0107 0103	0108 0106	0106 0102
AUG	0111 0104	0105 0105	0112 0109	0105 0107	0108 0110	0107 0103	0108 0106	0106 0102
SEP	0111 0107	0105 0105	0112 0109	0105 0107	0108 0110	0107 0103	0108 0106	0106 0102
OCT	0111 0109	0105 0105	0112 0109	0105 0107	0108 0110	0107 0103	0108 0106	0106 0102
NOV	0113 0109	0106 0104	0112 0109	0105 0107	0108 0110	0107 0103	0108 0106	0106 0102
DEC	0112 0110	0106 0106	0112 0109	0105 0107	0108 0110	0107 0103	0108 0106	0106 0102
TOTAL	0111 0104	0105 0102	0112 0109	0105 0107	0110 0110	0106 0103	0109 0113	0107 0105

\* SEE PAGE 15 FOR EXPLANATION OF MISSING DATA

FIGURE II-12

NOMINAL ARRIVAL GROUND TIME = 2.00 MIN



MONTHLY SUMMARY OF TRAFFIC ACTIVITY ARRIVING AT MSP  
FROM 19 STUDY AIRPORTS

TABLE II-13 (a)

	-----1972-----	-----1973-----	-----1974-----	-----1975-----
	MUSV DULL	MUSV DULL	MUSV DULL	MUSV DULL
JAN	1442	1473	174	1974
FEB	2057	1843	1764	2008
MAR	2171	1926	1980	2199
APR	2112	1869	1874	2084
MAY	2134	2063	1865	2120
JUN	1954	1410	1131	1967
JUL	1685	1490	1152	1667
AUG	1273	2275	2246	2019
SEP	1444	2091	216	2015
OCT	1741	2120	207	2004
NOV	2005	2150	214	1006
DEC	1941	2041	20	1907
TOTAL	21339	23991	17163	23335
			1232	1799

MONTHLY SUMMARY OF AIRPORT DELAYS ARRIVING AT MSP  
FROM 19 STUDY AIRPORTS

TABLE II-13 (b)

	-----1972-----	-----1973-----	-----1974-----	-----1975-----
	MUSV DULL	MUSV DULL	MUSV DULL	MUSV DULL
JAN	0105	0104	0104	0106
FEB	0105	0103	0105	0105
MAR	0104	0102	0104	0105
APR	0104	0102	0104	0105
MAY	0101	0102	0105	0102
JUN	0101	0101	0102	0101
JUL	0101	0101	0102	0101
AUG	0101	0101	0101	0101
SEP	0101	0101	0101	0101
OCT	0101	0101	0101	0101
NOV	0101	0101	0101	0101
DEC	0101	0101	0101	0101
TOTAL	0105	0102	0103	0103

-----ALL TIMES ARE IN HOURS AND MINUTES-----



TABLE II-13 (c)

DEPARTURE/ARRIVAL GROUND TIMES BY MONTH  
MONTHLY AVERAGES FOR BUSY VS. DULL INTERVALS FOR AIRPORT HSP

	1972		1973		1974		1975	
	DEPARTURES BUSY	DEPARTURES DULL	ARRIVALS BUSY	ARRIVALS DULL	DEPARTURES BUSY	DEPARTURES DULL	ARRIVALS BUSY	ARRIVALS DULL
JAN	0110	0109	0104	0106	0110	0108	0109	0114
FEB	0109	0114	0104	0105	0109	0109	0109	0106
MAR	0110	0110	0104	0104	0109	0108	0109	0106
APR	0109	0108	0104	0104	0108	0108	0109	0106
MAY	0109	0111	0104	0104	0108	0107	0109	0106
JUN	0109	0111	0104	0104	0108	0107	0109	0106
JUL	0107	0105	0103	0102	0107	0107	0109	0105
AUG	0107	0105	0103	0104	0107	0107	0109	0106
SEP	0109	0111	0104	0104	0108	0107	0109	0106
OCT	0109	0111	0104	0104	0108	0107	0109	0106
NOV	0109	0111	0104	0104	0108	0107	0109	0106
DEC	0110	0107	0104	0106	0109	0108	0109	0106
TOTAL	0110	0110	0104	0104	0109	0108	0109	0106

\* SEE PAGE 13 FOR EXPLANATION OF MISSING DATA

FIGURE II-13

NOMINAL ARRIVAL GROUND TIME = 2.00 MIN

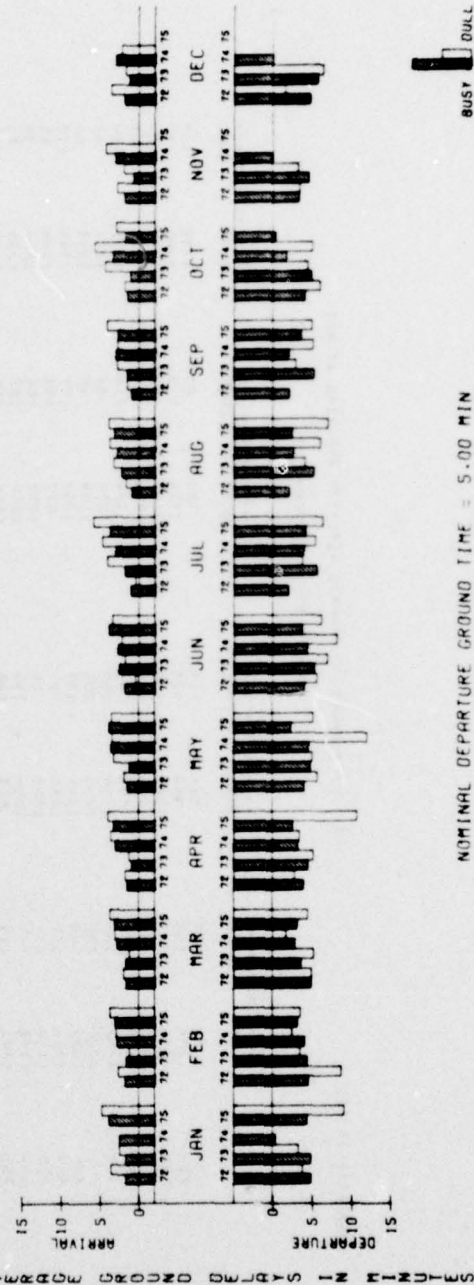


TABLE II-14 (a)  
MONTHLY SUMMARY OF TRAFFIC ACTIVITY ARRIVING AT MSY  
FROM 19 STUDY AIRPORTS

	-----1972-----		-----1973-----		-----1974-----		-----1975-----	
	MSY	DULL	MSY	DULL	MSY	DULL	MSY	DULL
JAN	1232	129	916	69	587	80	1186	129
FEB	1255	155	989	123	1124	112	1224	82
MAR	1326	167	1071	136	1117	92	1292	81
APR	1268	159	1045	124	1036	54	1220	110
MAY	1308	198	1135	161	1324	114	1372	68
JUN	1252	168	1114	159	1219	89	1281	60
JUL	1240	136	1043	100	1134	45	1197	60
AUG	1222	199	1144	137	1232	107	1304	112
SEP	1266	139	1009	81	973	102	1066	65
OCT	1336	134	1023	74	1052	104	1074	39
NOV	1307	143	1004	134	1214	107	1226	99
DEC	1240	113	873	100	1116	105	1059	86
TOTAL	14528	1874	12370	1412	13156	1111	14532	1013

TABLE II-14 (b)  
MONTHLY SUMMARY OF AIRMIDNE DELAYS ARRIVING AT MSY  
FROM 19 STUDY AIRPORTS

	-----1972-----		-----1973-----		-----1974-----		-----1975-----	
	MSY	DULL	MSY	DULL	MSY	DULL	MSY	DULL
JAN	0109	0109	0106	0105	0109	0111	0110	0112
FEB	0106	0104	0105	0105	0107	0104	0109	0110
MAR	0105	0106	0105	0107	0106	0106	0108	0111
APR	0103	0105	0104	0107	0105	0107	0107	0109
MAY	0102	0104	0101	0104	0103	0103	0105	0106
JUN	0101	0102	-0102	0100	0104	0105	0103	0102
JUL	0100	-0100	-0103	-0103	0103	0104	0103	0100
AUG	0100	-0101	-0102	-0100	0104	0104	0103	0104
SEP	0101	-0100	-0101	0102	0104	0112	0104	0104
OCT	0101	0102	-0101	0101	0102	0105	0105	0103
NOV	0106	0107	0102	0106	0105	0109	0107	0106
DEC	0106	0109	0106	0112	0105	0110	0107	0107
TOTAL	0103	0104	0101	0104	0105	0107	0106	0107

-----ALL TIMES ARE IN HOURS AND MINUTES-----

TABLE II-14 (C)

MONTHLY AVERAGES FOR BUSY VS. DULL INTERVALS FOR AIRPORT MSY

	1972				1973				1974				1975			
	DEPARTURES BUSY	DEPARTURES DULL	ARRIVALS BUSY	ARRIVALS DULL	DEPARTURES BUSY	DEPARTURES DULL	ARRIVALS BUSY	ARRIVALS DULL	DEPARTURES BUSY	DEPARTURES DULL	ARRIVALS BUSY	ARRIVALS DULL	DEPARTURES BUSY	DEPARTURES DULL	ARRIVALS BUSY	ARRIVALS DULL
JAN	0100	0105	0104	0106	0104	0103	0104	0109	0105	0107	0104	0107	0104	0109	0105	0104
FEB	0107	0106	0104	0102	0107	0104	0105	0104	0105	0107	0105	0106	0104	0104	0105	0104
MAR	0104	0104	0103	0103	0107	0106	0104	0105	0105	0107	0105	0105	0104	0104	0104	0105
APR	0109	0106	0104	0102	0109	0105	0104	0104	0106	0104	0104	0105	0105	0108	0105	0104
MAY	0110	0104	0104	0105	0109	0102	0104	0106	0106	0104	0104	0103	0106	0110	0105	0104
JUN	0109	0107	0104	0104	0107	0104	0104	0104	0104	0111	0105	0103	0106	0105	0105	0102
JUL	0110	0107	0104	0105	0107	0102	0104	0105	0104	0104	0104	0104	0106	0105	0105	0102
AUG	0104	0104	0104	0107	0107	0104	0104	0104	0104	0104	0104	0104	0106	0106	0105	0103
SEP	0104	0105	0104	0104	0107	0103	0104	0105	0104	0104	0104	0102	0105	0104	0104	0102
OCT	0107	0105	0104	0106	0108	0104	0104	0104	0103	0103	0104	0107	0105	0105	0104	0102
NOV	0107	0104	0105	0106	0106	0109	0104	0105	0104	0104	0104	0104	0105	0104	0104	0102
DEC	0104	0106	0104	0104	0107	0110	0103	0104	0103	0105	0106	0105	0105	0104	0104	0102
TOTAL	0104	0106	0104	0104	0104	0104	0104	0105	0104	0104	0105	0105	0105	0105	0105	0103

\* SEE PAGE 15 FOR EXPLANATION OF MISSING DATA

FIGURE II-14

NOMINAL ARRIVAL GROUND TIME = 2.00 MIN

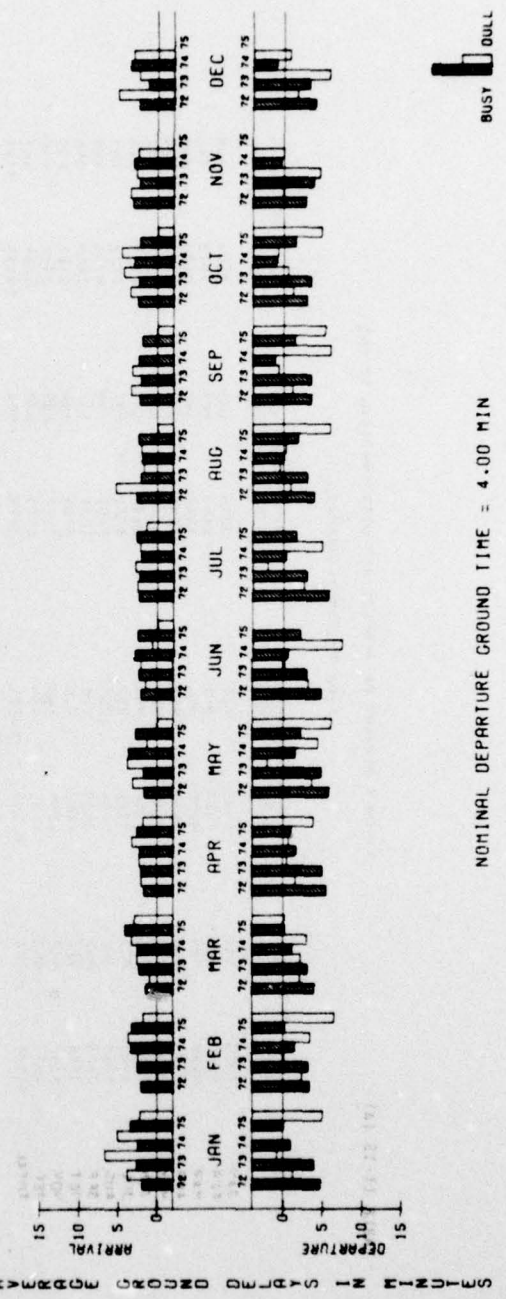




TABLE II-15 (a)  
MONTHLY SUMMARY OF TRAFFIC ACTIVITY ARRIVING AT ORD  
FROM 19 STUDY AIRPORTS

	-----1972-----	-----1973-----	-----1974-----	-----1975-----
	BUSY DULL	BUSY DULL	BUSY DULL	BUSY DULL
JAN	7904 932	7145 820	2215 126	7607 749
FEB	8181 922	7653 861	6656 683	7073 740
MAR	8620 1005	8200 955	7386 691	8116 788
APR	8196 952	7635 886	7098 646	7300 729
MAY	8788 1008	8524 1004	8322 420	8333 707
JUN	7821 963	7312 956	3696 302	6725 618
JUL	6901 827	7306 922	3703 287	6712 640
AUG	8264 926	8876 1084	6950 699	8782 649
SEP	7343 842	7669 908	7337 757	7659 558
OCT	7883 922	7882 905	7706 796	6527 405
NOV	8332 932	6399 745	7177 655	7982 586
DEC	7873 853	6381 615	6813 622	6659 487
TOTAL	95530 11084	90582 10681	73455 6888	89434 7739

TABLE II-15 (b)  
MONTHLY SUMMARY OF AIRBORNE DELAYS ARRIVING AT ORD  
FROM 19 STUDY AIRPORTS

	-----1972-----	-----1973-----	-----1974-----	-----1975-----
	BUSY DULL	BUSY DULL	BUSY DULL	BUSY DULL
JAN	0117 0105	0119 0105	0114 0106	0121 0108
FEB	0117 0105	0119 0104	0118 0107	0119 0107
MAR	0118 0105	0122 0108	0118 0106	0115 0104
APR	0118 0105	0113 0106	0118 0106	0115 0105
MAY	0109 0105	0112 0106	0115 0108	0117 0107
JUN	0109 0105	0110 0103	0114 0108	0112 0107
JUL	0106 0102	0111 0103	0113 0108	0110 0105
AUG	0108 0104	0109 0103	0120 0108	0110 0105
SEP	0108 0101	0116 0104	0126 0107	0112 0105
OCT	0109 0103	0112 0104	0128 0108	0117 0105
NOV	0113 0105	0111 0105	0117 0107	0119 0105
DEC	0121 0105	0118 0107	0119 0108	0114 0108
TOTAL	0112 0104	0114 0105	0119 0107	0115 0106

-----ALL TIMES ARE IN MINRS AND MINUTES-----

TABLE II-15 (C)

DEPARTURE/ARRIVAL GROUND TIMES BY MONTH  
MONTHLY AVERAGES FOR BUSY VS. DULL INTERVALS FROM AIRPORT ORD

	1972				1973				1974				1975			
	DEPARTURES BUSY	DULL	ARRIVALS BUSY	DULL	DEPARTURES BUSY	DULL	ARRIVALS BUSY	DULL	DEPARTURES BUSY	DULL	ARRIVALS BUSY	DULL	DEPARTURES BUSY	DULL	ARRIVALS BUSY	DULL
JAN	0114	0102	0104	0107	0116	0110	0104	0107	0113	0111	0104	0104	0113	0109	0104	0108
FEB	0114	0111	0104	0107	0117	0111	0104	0107	0113	0111	0110	0104	0114	0109	0110	0110
MAR	0114	0110	0104	0107	0114	0112	0104	0107	0114	0111	0110	0104	0113	0109	0109	0104
APR	0114	0110	0104	0107	0116	0110	0107	0107	0114	0109	0104	0107	0114	0109	0110	0104
MAY	0114	0110	0104	0107	0116	0110	0107	0107	0114	0109	0104	0107	0114	0109	0110	0104
JUN	0114	0110	0104	0107	0116	0110	0107	0107	0114	0109	0104	0107	0114	0109	0110	0104
JUL	0114	0110	0104	0107	0116	0110	0107	0107	0114	0109	0104	0107	0114	0109	0110	0104
AUG	0114	0110	0104	0107	0116	0110	0107	0107	0114	0109	0104	0107	0114	0109	0110	0104
SEP	0114	0110	0104	0107	0116	0110	0107	0107	0114	0109	0104	0107	0114	0109	0110	0104
OCT	0114	0110	0104	0107	0116	0110	0107	0107	0114	0109	0104	0107	0114	0109	0110	0104
NOV	0114	0110	0104	0107	0116	0110	0107	0107	0114	0109	0104	0107	0114	0109	0110	0104
DEC	0114	0110	0104	0107	0116	0110	0107	0107	0114	0109	0104	0107	0114	0109	0110	0104
TOTAL	0114	0110	0104	0107	0116	0110	0107	0107	0114	0109	0104	0107	0114	0109	0110	0104

\* SEE PAGE 15 FOR EXPLANATION OF MISSING DATA

FIGURE II-15

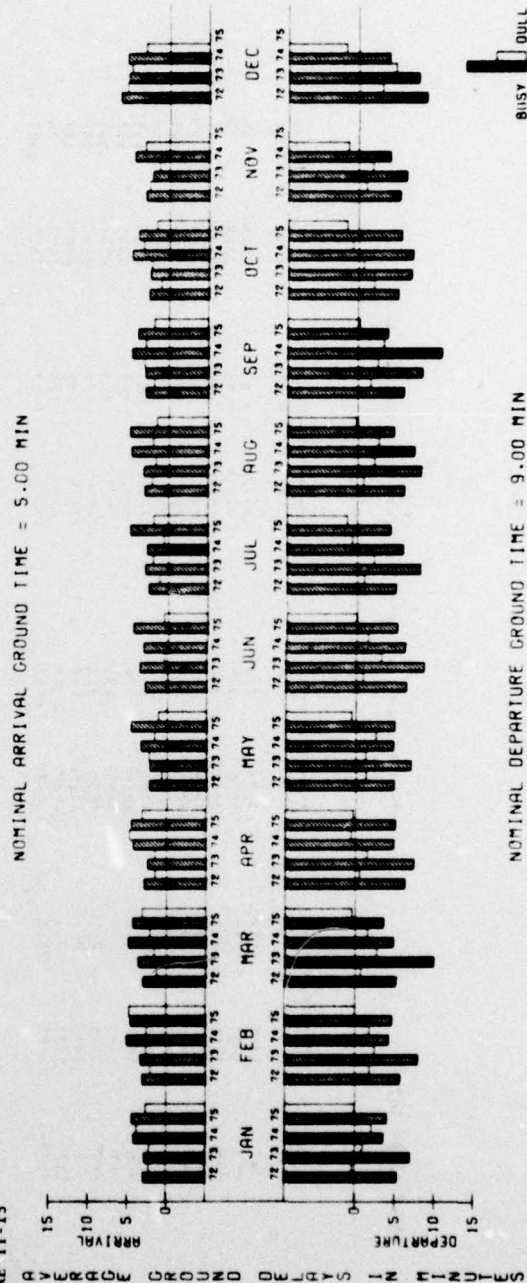


TABLE II-16 (a)

MONTHLY SUMMARY OF TRAFFIC ACTIVITY ARRIVING AT PHL  
FROM 19 STUDY AIRPORTS

	-----1972-----	-----1973-----	-----1974-----	-----1975-----
	BUSY	BUSY	BUSY	BUSY
JAN	3500	3154	3142	2846
FEB	3213	3076	2715	2688
MAR	3566	3737	285	2680
APR	3483	3624	245	2573
MAY	3444	3759	241	3194
JUN	3364	3415	238	2748
JUL	3035	3388	200	2758
AUG	3650	3458	278	3121
SEP	3485	3495	180	2701
OCT	3556	3464	165	2440
NOV	3641	3124	137	2688
DEC	3427	2829	87	2375
TOTAL	41500	41687	2413	33312
			DULL	DULL
			65	99
			83	91
			69	87
			62	180
			128	184
			123	188
			97	127
			180	101
			165	102
			135	117
			128	74
			1407	1337

TABLE II-16 (b)

MONTHLY SUMMARY OF AIRPORT DELAYS ARRIVING AT PHL  
FROM 19 STUDY AIRPORTS

	-----1972-----	-----1973-----	-----1974-----	-----1975-----
	BUSY	BUSY	BUSY	BUSY
JAN	0107	0105	0104	0106
FEB	0109	0107	0104	0108
MAR	0109	0108	0106	0107
APR	0108	0107	0106	0106
MAY	0110	0108	0111	0109
JUN	0110	0111	0110	0110
JUL	0109	0108	0111	0110
AUG	0108	0109	0111	0110
SEP	0108	0108	0111	0109
OCT	0107	0109	0110	0108
NOV	0107	0107	0110	0109
DEC	0107	0110	0109	0109
TOTAL	0108	0108	0109	0109
			DULL	DULL
			0110	0104
			0109	0107
			0107	0108
			0108	0105
			0108	0104
			0107	0104
			0109	0108
			0110	0108
			0110	0109
			0110	0107
			0108	0107
			0109	0108
			0109	0107

-----ALL TIMES ARE IN HOURS AND MINUTES-----



TABLE II-16 (C)

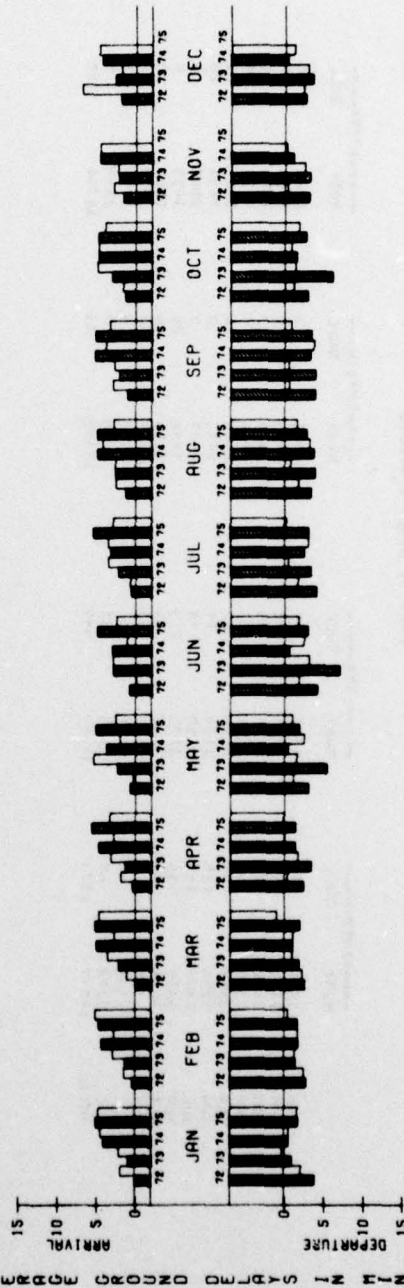
MONTHLY AVERAGES FOR BUSY VS. DULL INTERVALS FOR AIRPORT PHL  
DEPARTURE/ARRIVAL GROUND TIMES BY MONTH

	1972				1973				1974				1975			
	DEPARTURES BUSY	DEPARTURES DULL	ARRIVALS BUSY	ARRIVALS DULL	DEPARTURES BUSY	DEPARTURES DULL	ARRIVALS BUSY	ARRIVALS DULL	DEPARTURES BUSY	DEPARTURES DULL	ARRIVALS BUSY	ARRIVALS DULL	DEPARTURES BUSY	DEPARTURES DULL	ARRIVALS BUSY	ARRIVALS DULL
JAN	0111	0109	0132	0104	0108	0107	0103	0104	0107	0104	0106	0107	0109	0109	0107	0107
FEB	0110	0109	0102	0103	0104	0104	0103	0105	0104	0104	0106	0105	0109	0107	0107	0107
MAR	0109	0109	0102	0103	0104	0104	0104	0104	0104	0104	0107	0105	0104	0107	0107	0107
APR	0109	0107	0102	0104	0110	0109	0104	0105	0104	0107	0107	0105	0104	0107	0108	0105
MAY	0110	0104	0103	0102	0112	0109	0104	0107	0107	0109	0106	0104	0109	0104	0107	0105
JUN	0111	0104	0103	0103	0114	0110	0105	0105	0104	0104	0105	0103	0110	0109	0107	0105
JUL	0111	0104	0103	0103	0110	0107	0104	0104	0104	0110	0105	0106	0110	0107	0107	0105
AUG	0110	0104	0103	0105	0111	0104	0105	0104	0111	0110	0107	0106	0110	0109	0107	0105
SEP	0111	0104	0103	0105	0113	0104	0105	0105	0110	0111	0107	0106	0110	0109	0107	0105
OCT	0110	0104	0103	0104	0110	0104	0104	0104	0104	0104	0107	0107	0110	0109	0107	0105
NOV	0110	0107	0104	0104	0110	0110	0105	0104	0107	0104	0107	0107	0110	0109	0107	0106
DEC	0110	0104	0103	0104	0111	0104	0105	0105	0107	0104	0106	0107	0109	0108	0107	0105
TOTAL	0110	0104	0103	0104	0111	0104	0105	0105	0107	0104	0106	0107	0109	0108	0107	0105

\* SEE PAGE 15 FOR EXPLANATION OF MISSING DATA

FIGURE II-16

NOMINAL ARRIVAL GROUND TIME = 2.00 MIN



NOMINAL DEPARTURE GROUND TIME = 7.00 MIN

BUSY  
DULL

TABLE II-17 (a)  
MONTHLY SUMMARY OF TRAFFIC ACTIVITY ARRIVING AT PIT  
FROM 19 STUDY AIRPORTS

	-----1972-----		-----1973-----		-----1974-----		-----1975-----	
	BUSY	DULL	BUSY	DULL	BUSY	DULL	BUSY	DULL
JAN	3361	71	3326	84	335	1	3295	0
FEB	3311	64	3279	102	2870	0	3663	26
MAR	3402	76	3484	85	2573	0	2888	31
APR	3371	67	3271	81	2406	0	2675	28
MAY	3668	129	3495	82	2005	0	3393	31
JUN	3250	128	3172	79	1901	0	2833	12
JUL	2808	119	3254	79	1947	0	2888	0
AUG	3406	134	3470	115	3444	26	3433	0
SEP	3433	72	3236	83	3554	6	3187	0
OCT	3330	64	2911	72	3640	0	2979	0
NOV	3395	72	2787	106	3307	0	3295	0
DEC	3278	64	2695	31	3280	0	2899	0
TOTAL	36879	1073	36380	949	32342	33	36780	128

TABLE II-17 (b)  
MONTHLY SUMMARY OF AIRBORNE DELAYS ARRIVING AT PIT  
FROM 19 STUDY AIRPORTS

	-----1972-----		-----1973-----		-----1974-----		-----1975-----	
	BUSY	DULL	BUSY	DULL	BUSY	DULL	BUSY	DULL
JAN	0104	0109	0104	0105	0105	0106	0106	-0100
FEB	0106	0106	0104	0106	0104	0106	0108	-0101
MAR	0105	0105	0104	0105	0103	0103	0105	-0102
APR	0103	0105	0104	0103	0103	0103	0103	-0101
MAY	0102	0104	0104	0102	0104	0104	0103	-0101
JUN	0104	0106	0104	0100	0104	0104	0104	-0101
JUL	0104	0103	0103	-0101	0106	0108	0104	-0101
AUG	0105	0104	0105	0102	0107	0107	0104	-0101
SEP	0104	0104	0104	0101	0109	0107	0103	-0101
OCT	0104	0105	0106	0103	0107	0107	0103	-0101
NOV	0105	0106	0105	0103	0107	0107	0103	-0101
DEC	0106	0107	0105	0101	0107	0107	0105	-0101
TOTAL	0108	0105	0104	0103	0106	0108	0104	-0101

---ALL TIMES ARE IN HOURS AND MINUTES---

TABLE II-17 (C)

DEPARTURE/ARRIVAL GROUND TIMES BY MONTH  
MONTHLY AVERAGES FOR BUSY VS. DULL INTERVALS FOR AIRPORT PTY

	1972				1973				1974				1975			
	DEPARTURES BUSY	DULL	ARRIVALS BUSY	DULL	DEPARTURES BUSY	DULL	ARRIVALS BUSY	DULL	DEPARTURES BUSY	DULL	ARRIVALS BUSY	DULL	DEPARTURES BUSY	DULL	ARRIVALS BUSY	DULL
JAN	0107	0105	0104	0104	0107	0104	0103	0102	0103	0102	0104	0102	0105	0102	0105	0105
FEB	0107	0106	0104	0104	0107	0104	0103	0102	0105	0102	0105	0105	0105	0105	0105	0102
MAR	0107	0106	0104	0104	0107	0104	0103	0102	0105	0103	0105	0105	0105	0103	0105	0105
APR	0107	0105	0104	0104	0107	0104	0103	0102	0105	0103	0105	0105	0105	0103	0105	0105
MAY	0107	0105	0104	0104	0107	0104	0103	0102	0105	0103	0105	0105	0105	0103	0105	0105
JUN	0107	0105	0104	0104	0107	0104	0103	0102	0105	0103	0105	0105	0105	0103	0105	0105
JUL	0107	0105	0104	0104	0107	0104	0103	0102	0105	0103	0105	0105	0105	0103	0105	0105
AUG	0107	0105	0104	0104	0107	0104	0103	0102	0105	0103	0105	0105	0105	0103	0105	0105
SEP	0107	0105	0104	0104	0107	0104	0103	0102	0105	0103	0105	0105	0105	0103	0105	0105
OCT	0107	0105	0104	0104	0107	0104	0103	0102	0105	0103	0105	0105	0105	0103	0105	0105
NOV	0107	0105	0104	0104	0107	0104	0103	0102	0105	0103	0105	0105	0105	0103	0105	0105
DEC	0107	0105	0104	0104	0107	0104	0103	0102	0105	0103	0105	0105	0105	0103	0105	0105
TOTAL	0107	0105	0104	0104	0107	0104	0103	0102	0105	0103	0105	0105	0105	0103	0105	0105

\* SEE PAGE 13 FOR EXPLANATION OF MISSING DATA

FIGURE II-17

NOMINAL ARRIVAL GROUND TIME = 2.00 MIN

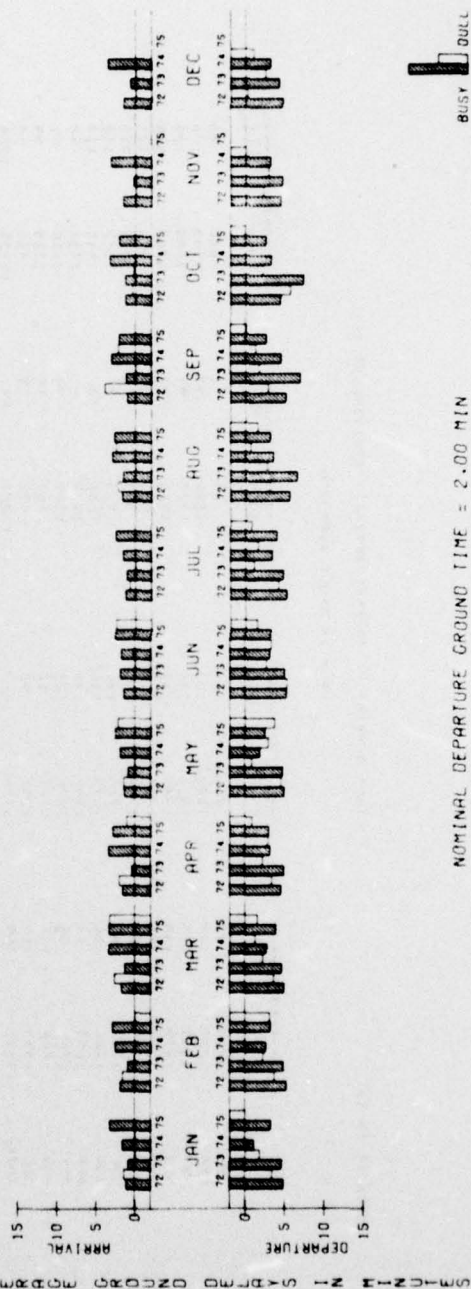




TABLE II-18 (a)  
MONTHLY SUMMARY OF TRAFFIC ACTIVITY ARRIVING AT SEA  
FROM 14 STUDY AIRPORTS

	-----1972-----	-----1973-----	-----1974-----	-----1975-----
	BUSY	DULL	BUSY	DULL
JAN	1289	127	1296	114
FEB	1220	128	1192	107
MAR	1305	118	1311	124
APR	1279	138	1244	112
MAY	1203	130	1358	131
JUN	1318	135	1212	122
JUL	1212	86	1265	126
AUG	1366	96	1479	134
SEP	1183	93	1288	120
OCT	1269	95	1276	123
NOV	1298	100	1227	97
DEC	1316	114	1198	92
TOTAL	15800	1160	15366	1402

TABLE II-18 (b)  
MONTHLY SUMMARY OF AIRMINE DELAYS ARRIVING AT SEA  
FROM 14 STUDY AIRPORTS

	-----1972-----	-----1973-----	-----1974-----	-----1975-----
	BUSY	DULL	BUSY	DULL
JAN	0:13	0:14	0:04	0:04
FEB	0:17	0:09	0:00	0:01
MAR	0:07	0:06	0:01	0:01
APR	0:05	0:04	0:03	0:01
MAY	0:03	0:05	0:00	0:00
JUN	0:01	0:03	0:00	0:01
JUL	0:03	0:01	0:02	0:01
AUG	0:05	0:04	0:02	0:01
SEP	0:01	0:00	0:01	0:01
OCT	0:01	0:00	0:01	0:01
NOV	0:03	0:01	0:05	0:06
DEC	0:07	0:09	0:07	0:11
TOTAL	0:03	0:03	0:02	0:04

-----ALL TIMES ARE IN HOURS AND MINUTES-----

TABLE II-18 (C)

DEPARTURE/ARRIVAL GROUND TIMES BY MONTH  
MONTHLY AVERAGES FOR BUSY VS. DULL INTERVALS FOR AIRPORT SEA

	1972				1973				1974				1975			
	DEPARTURES BUSY	DULL	ARRIVALS BUSY	DULL	DEPARTURES BUSY	DULL	ARRIVALS BUSY	DULL	DEPARTURES BUSY	DULL	ARRIVALS BUSY	DULL	DEPARTURES BUSY	DULL	ARRIVALS BUSY	DULL
JAN	0210	0210	0203	0205	0207	0208	0203	0205	0205	0207	0208	0205	0207	0208	0206	0204
FEB	0208	0209	0203	0205	0206	0208	0203	0205	0206	0207	0208	0205	0207	0208	0206	0204
MAR	0207	0208	0203	0205	0206	0208	0203	0205	0206	0207	0208	0205	0207	0208	0206	0204
APR	0207	0208	0203	0205	0206	0208	0203	0205	0206	0207	0208	0205	0207	0208	0206	0204
MAY	0207	0208	0203	0205	0206	0208	0203	0205	0206	0207	0208	0205	0207	0208	0206	0204
JUN	0207	0208	0203	0205	0206	0208	0203	0205	0206	0207	0208	0205	0207	0208	0206	0204
JUL	0207	0208	0203	0205	0206	0208	0203	0205	0206	0207	0208	0205	0207	0208	0206	0204
AUG	0206	0206	0203	0205	0206	0208	0203	0205	0206	0207	0208	0205	0207	0208	0206	0204
SEP	0207	0207	0203	0205	0206	0208	0203	0205	0206	0207	0208	0205	0207	0208	0206	0204
OCT	0207	0207	0203	0205	0206	0208	0203	0205	0206	0207	0208	0205	0207	0208	0206	0204
NOV	0207	0206	0203	0205	0206	0208	0203	0205	0206	0207	0208	0205	0207	0208	0206	0204
DEC	0207	0206	0203	0205	0206	0208	0203	0205	0206	0207	0208	0205	0207	0208	0206	0204
TOTAL	0207	0208	0203	0205	0206	0208	0203	0205	0206	0207	0208	0205	0207	0208	0206	0204

\* SEE PAGE 15 FOR EXPLANATION OF MISSING DATA

NOMINAL ARRIVAL GROUND TIME = 2.00 MIN

FIGURE II-18

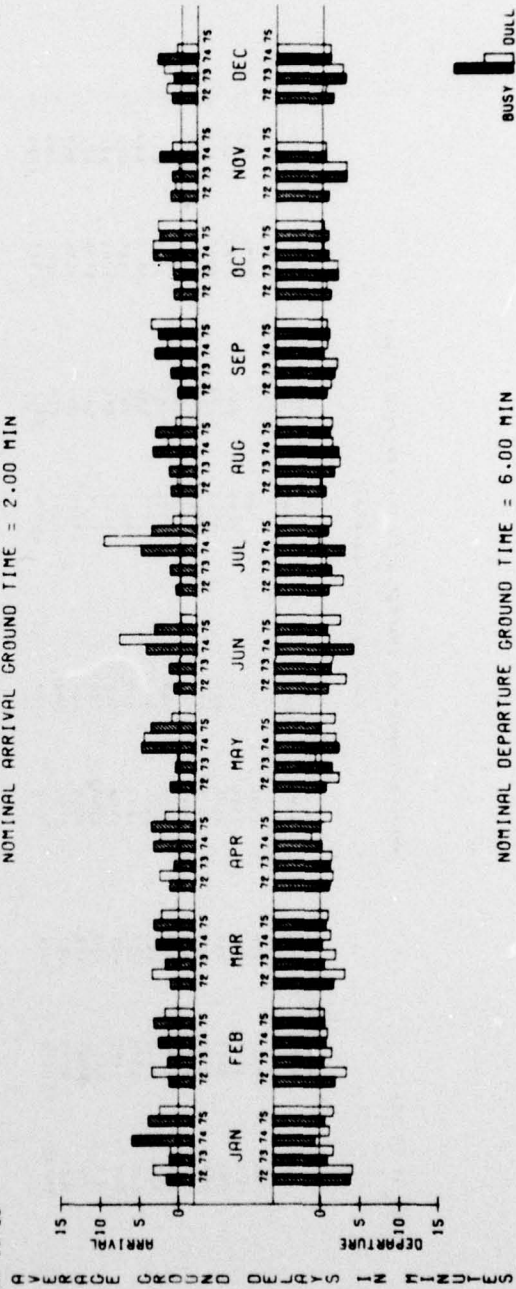


TABLE II-19 (a)  
MONTHLY SUMMARY OF TRAFFIC ACTIVITY ARRIVING AT SFO  
FROM 19 STUDY AIRPORTS

	-----1972-----		-----1973-----		-----1974-----		-----1975-----	
	MUSV	DULL	MUSV	DULL	MUSV	DULL	MUSV	DULL
JAN	3282	424	3196	372	348	7	2876	298
FEB	3185	451	3124	346	2809	299	2787	327
MAR	3414	501	3476	445	3013	284	3007	310
APR	3324	465	3341	406	2867	244	2878	306
MAY	3617	489	3615	452	2933	92	3278	299
JUN	3489	491	3406	444	913	102	3045	283
JUL	3443	443	3441	396	831	104	3114	302
AUG	3905	443	3845	444	3662	467	3665	402
SEP	3481	527	3454	564	3142	335	3091	298
OCT	3512	479	3399	371	3111	334	3052	274
NOV	3505	495	2555	304	2406	265	3134	352
DEC	3549	442	2555	280	2351	276	2869	266
TOTAL	31711	5664	39606	4674	28476	2410	36307	3713

TABLE II-19 (b)  
MONTHLY SUMMARY OF AIRBORNE DELAYS ARRIVING AT SFO  
FROM 19 STUDY AIRPORTS

	-----1972-----		-----1973-----		-----1974-----		-----1975-----	
	MUSV	DULL	MUSV	DULL	MUSV	DULL	MUSV	DULL
JAN	0:14	0:11	0:10	0:10	0:29	0:25	0:11	0:10
FEB	0:12	0:09	0:10	0:07	0:11	0:11	0:12	0:11
MAR	0:07	0:07	0:06	0:04	0:14	0:11	0:12	0:11
APR	0:10	0:04	0:04	0:03	0:10	0:08	0:10	0:12
MAY	0:01	0:09	0:04	0:03	0:09	-0:01	0:08	0:10
JUN	0:02	-0:01	0:02	0:02	0:03	-0:01	0:08	-0:00
JUL	0:02	0:00	0:02	0:02	-0:00	-0:04	0:04	-0:00
AUG	0:01	-0:03	0:01	0:00	0:05	-0:09	0:04	-0:00
SEP	0:06	0:02	0:04	0:03	0:05	0:00	0:03	-0:01
OCT	0:10	0:05	0:05	0:05	0:04	0:00	0:03	0:01
NOV	0:04	0:07	0:06	0:08	0:04	0:02	0:07	0:05
DEC	0:13	0:11	0:10	0:12	0:07	0:05	0:08	0:05
TOTAL	0:07	0:05	0:06	0:05	0:08	0:08	0:08	0:06

-----ALL TIMES ARE IN HOURS AND MINUTES-----



TABLE II-19 (C)

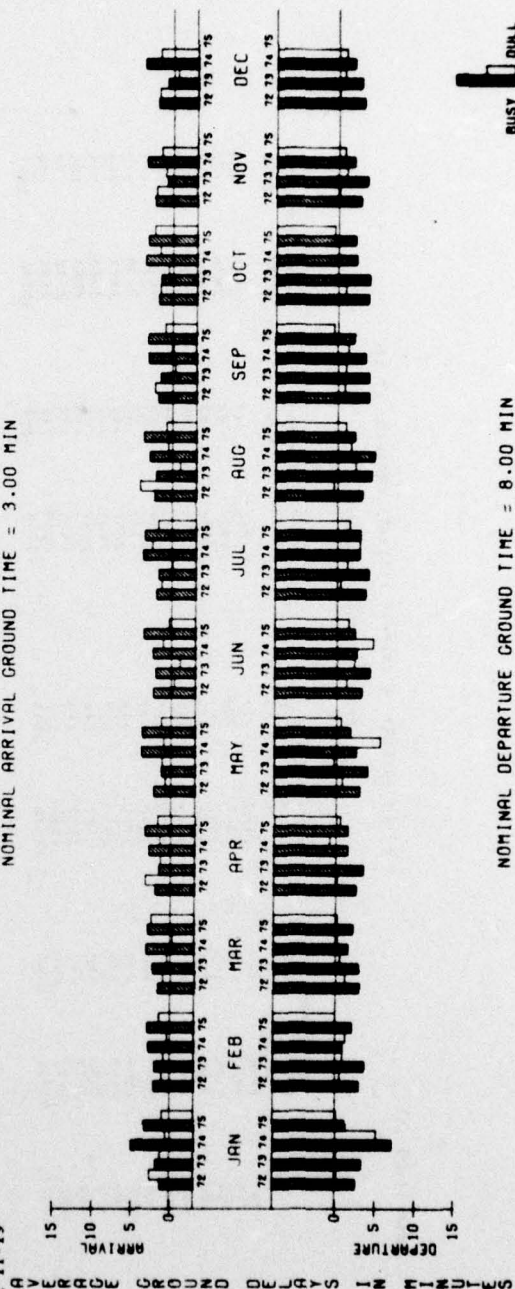
DEPARTURE/ARRIVAL GROUND TIMES BY MONTH  
MONTHLY AVERAGES FOR BUSY VS. DULL INTERVALS FOR AIRPORT SFN

	1973		1974		1975	
	DEPARTURES BUSY	ARRIVALS DULL	DEPARTURES BUSY	ARRIVALS DULL	DEPARTURES BUSY	ARRIVALS DULL
JAN	0111	0104	0111	0104	0109	0106
FEB	0111	0105	0112	0105	0110	0106
MAR	0111	0104	0111	0104	0110	0106
APR	0111	0104	0111	0104	0109	0106
MAY	0111	0104	0112	0104	0110	0106
JUN	0111	0104	0112	0104	0110	0106
JUL	0111	0104	0112	0104	0110	0106
AUG	0111	0104	0112	0104	0110	0106
SEP	0111	0104	0112	0104	0110	0106
OCT	0111	0104	0112	0104	0110	0106
NOV	0111	0104	0112	0104	0110	0106
DEC	0111	0104	0112	0104	0110	0106
TOTAL	0111	0104	0112	0104	0110	0106

\* SET PAGE 15 FOR EXPLANATION OF MISSING DATA

FIGURE II-19

NOMINAL ARRIVAL GROUND TIME = 3.00 MIN



NOMINAL DEPARTURE GROUND TIME = 8.00 MIN

TABLE II-20 (a)

## MONTHLY SUMMARY OF TRAFFIC ACTIVITY ARRIVING AT STL

FROM 19 STUDY AIRPORTS

	-----1972-----		-----1973-----		-----1974-----		-----1975-----	
	BUSY	DULL	BUSY	DULL	BUSY	DULL	BUSY	DULL
JAN	2402	124	2143	221	846	49	2580	160
FEB	2407	150	2369	200	1922	84	2476	170
MAR	2674	164	2602	187	2082	87	2696	169
APR	2541	156	2439	179	1996	85	2508	136
MAY	2721	194	2472	233	1535	81	2835	150
JUN	2561	157	2277	220	1364	79	2531	149
JUL	2543	161	2392	197	1344	58	2494	162
AUG	2664	227	2775	280	2031	190	2973	158
SEP	2553	179	2472	217	2540	161	2580	149
OCT	2566	164	2462	226	2593	166	2583	155
NOV	2547	210	1557	164	2404	139	2732	148
DEC	2412	211	1534	101	2485	139	2740	155
TOTAL	31130	2097	27534	2433	23744	1298	31740	1861

TABLE II-20 (b)

## MONTHLY SUMMARY OF AIRBORNE DELAYS ARRIVING AT STL

FROM 19 STUDY AIRPORTS

	-----1972-----		-----1973-----		-----1974-----		-----1975-----	
	BUSY	DULL	BUSY	DULL	BUSY	DULL	BUSY	DULL
JAN	0:07	-0:03	0:06	0:01	0:04	0:00	0:09	0:03
FEB	0:06	-0:01	0:04	-0:01	0:04	-0:01	0:10	0:03
MAR	0:05	-0:01	0:06	0:01	0:04	-0:01	0:08	-0:01
APR	0:05	0:00	0:03	-0:00	0:04	-0:02	0:08	-0:02
MAY	0:02	0:01	0:03	-0:01	0:05	0:01	0:05	0:06
JUN	0:01	-0:01	0:00	-0:02	0:03	-0:00	0:04	0:03
JUL	0:01	-0:02	0:00	-0:04	0:03	-0:01	0:03	0:07
AUG	0:01	0:00	0:01	-0:04	0:04	0:04	0:04	0:02
SEP	0:02	-0:01	0:02	-0:04	0:05	0:04	0:05	0:05
OCT	0:03	0:01	0:02	-0:04	0:04	0:03	0:04	0:03
NOV	0:06	0:00	0:05	0:01	0:05	0:01	0:07	0:03
DEC	0:07	0:02	0:06	-0:00	0:07	0:02	0:09	0:05
TOTAL	0:04	-0:00	0:03	-0:02	0:05	0:02	0:06	0:03

-----ALL TIMES ARE IN HOURS AND MINUTES-----

TABLE II-20 (c)

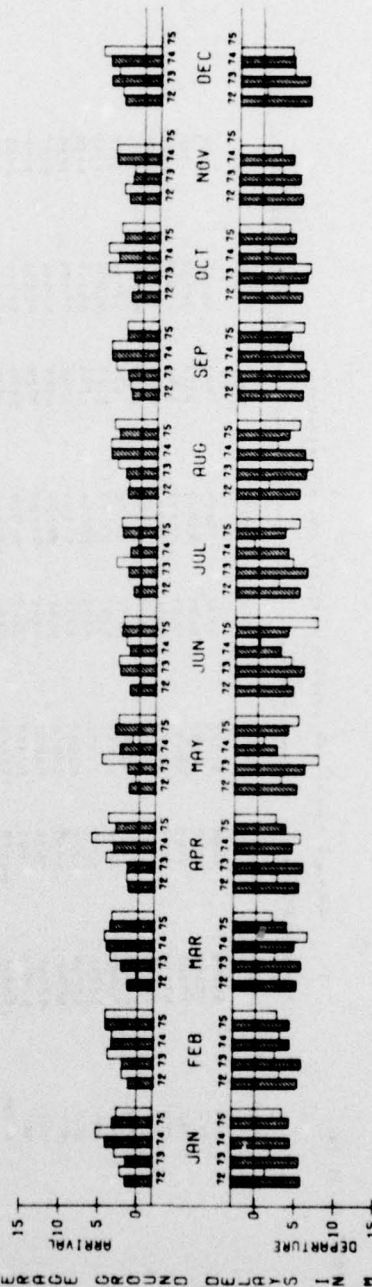
DEPARTURE/ARRIVAL GROUND TIMES BY MONTH  
MONTHLY AVERAGES FROM BUSY VS. DULL INTERVALS FOR AIRPORT STL

	1972		1973		1974		1975	
	DEPARTURES BUSY	ARRIVALS DULL	DEPARTURES BUSY	ARRIVALS DULL	DEPARTURES BUSY	ARRIVALS DULL	DEPARTURES BUSY	ARRIVALS DULL
JAN	0109	0104	0109	0103	0108	0106	0107	0105
FEB	0108	0103	0109	0104	0107	0106	0107	0106
MAR	0108	0103	0109	0104	0107	0106	0107	0106
APR	0108	0103	0109	0104	0107	0106	0107	0106
MAY	0108	0103	0109	0104	0107	0106	0107	0106
JUN	0107	0103	0109	0104	0107	0106	0107	0106
JUL	0108	0103	0109	0104	0107	0106	0107	0106
AUG	0108	0103	0109	0104	0107	0106	0107	0106
SEP	0108	0103	0109	0104	0107	0106	0107	0106
OCT	0108	0103	0109	0104	0107	0106	0107	0106
NOV	0108	0103	0109	0104	0107	0106	0107	0106
DEC	0108	0103	0109	0104	0107	0106	0107	0106
TOTAL	0108	0103	0109	0104	0107	0106	0107	0106

\* SEE PAGE 15 FOR EXPLANATION OF MISSING DATA

FIGURE II-20

NOMINAL ARRIVAL GROUND TIME = 2.00 MIN



NOMINAL DEPARTURE GROUND TIME = 3.00 MIN

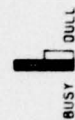




TABLE II-21 (a)

MONTH	MONTHLY SUMMARY OF TRAFFIC ACTIVITY FOR ALL AIRPORTS			
	1972	1973	1974	1975
	MUSY	DULL	MUSY	DULL
JAN	64298	4766	57366	780
FEB	55168	5392	53959	3313
MAR	70022	5983	57421	3341
APR	47118	5590	55071	2922
MAY	70499	6137	42960	2542
JUN	63610	5717	38570	2234
JUL	59287	4838	37045	2102
AUG	60214	6047	6111	4796
SEP	61219	4716	60133	3988
OCT	65521	4963	60622	4089
NOV	67997	5596	54087	3320
DEC	61883	4643	51310	3120
TOTAL	703936	64378	608804	36573

TABLE II-21 (b)

MONTHLY SUMMARY OF ARRIVAL AIRBORNE DELAYS  
AT 20 STUDY AIRPORTS

MONTH	MONTHLY SUMMARY OF ARRIVAL AIRBORNE DELAYS AT 20 STUDY AIRPORTS			
	1972	1973	1974	1975
	MUSY	DULL	MUSY	DULL
JAN	0109	0104	0110	0111
FEB	0109	0104	0109	0108
MAR	0109	0104	0109	0108
APR	0109	0104	0109	0108
MAY	0107	0105	0108	0107
JUN	0107	0104	0108	0106
JUL	0105	0103	0107	0105
AUG	0105	0103	0109	0106
SEP	0104	0103	0107	0105
OCT	0106	0104	0109	0107
NOV	0109	0104	0109	0108
DEC	0110	0104	0110	0108
TOTAL	0107	0104	0109	0107

-----ALL TIMES ARE IN HOURS AND MINUTES-----

TABLE II-21 (c)  
DEPARTURE/ARRIVAL GROUND TIMES BY MONTH  
MONTHLY AVERAGES FOR BUSY VS. DULL INTERVALS FOR ALL AIRPORTS

	1972				1973				1974				1975			
	DEPARTURES	DULL	BUSY	ARRIVALS	DEPARTURES	DULL	BUSY	ARRIVALS	DEPARTURES	DULL	BUSY	ARRIVALS	DEPARTURES	DULL	BUSY	ARRIVALS
JAN	0:11	0:10	0:04	0:06	0:11	0:09	0:05	0:06	0:10	0:11	0:07	0:07	0:10	0:10	0:07	0:06
FEB	0:11	0:11	0:05	0:05	0:12	0:10	0:05	0:05	0:10	0:11	0:07	0:06	0:10	0:10	0:07	0:06
MAR	0:11	0:10	0:05	0:05	0:12	0:10	0:05	0:05	0:10	0:10	0:07	0:06	0:10	0:10	0:07	0:06
APR	0:11	0:10	0:05	0:06	0:12	0:10	0:05	0:06	0:10	0:10	0:07	0:06	0:10	0:10	0:07	0:06
MAY	0:11	0:10	0:05	0:04	0:13	0:12	0:05	0:04	0:10	0:12	0:06	0:05	0:10	0:12	0:07	0:05
JUN	0:11	0:10	0:05	0:05	0:12	0:11	0:05	0:04	0:10	0:11	0:06	0:05	0:10	0:11	0:07	0:06
JUL	0:11	0:10	0:05	0:04	0:12	0:11	0:05	0:04	0:10	0:11	0:07	0:06	0:10	0:11	0:07	0:06
AUG	0:11	0:10	0:05	0:04	0:12	0:11	0:05	0:04	0:10	0:12	0:07	0:06	0:10	0:11	0:07	0:06
SEP	0:11	0:10	0:05	0:04	0:12	0:11	0:05	0:04	0:10	0:12	0:07	0:06	0:10	0:11	0:07	0:06
OCT	0:11	0:10	0:05	0:05	0:12	0:11	0:05	0:04	0:10	0:12	0:07	0:06	0:10	0:11	0:07	0:06
NOV	0:11	0:10	0:05	0:06	0:11	0:11	0:04	0:05	0:10	0:09	0:07	0:06	0:10	0:10	0:06	0:05
DEC	0:12	0:10	0:06	0:07	0:12	0:12	0:05	0:05	0:10	0:10	0:07	0:06	0:10	0:10	0:06	0:06
TOTAL	0:11	0:10	0:05	0:05	0:12	0:11	0:05	0:05	0:10	0:10	0:07	0:06	0:10	0:10	0:07	0:06

• SEE PAGE 15 FOR EXPLANATION OF MISSING DATA

FIGURE II-21

ARRIVAL/DEPARTURE GROUND TIMES  
MONTHLY AVERAGES FOR BUSY VS. DULL INTERVALS

